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Intention to purchase halal health supplement online: Lessons learned from the health crisis

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ABSTRACT

Consuming health supplements is essential to strengthen the immune systems and protect against illness, especially during health crises such as the COVID-19 pandemic. Considering the increasing number of Muslim populations worldwide and the necessity of online applications during health crises, this research aims to study the consumer's purchase intention of halal health supplement products online by examining variables influencing consumer's purchase intention. The Theory of Planned Behaviour has been applied as an underlying theory for this study, including religiosity and COVID-19 as an extension to the theory. 214 respondents participated in this study by completing the survey questionnaire via an online platform. Analysis was performed using SmartPLS4. The findings illustrate that perceived benefit is the most important indicator for Indonesian respondents, while attitude, subjective norms, and the COVID-19 pandemic are the factors that contribute to purchase intention among Malaysian respondents. The study enhances current literature, specifically in the context of halal health supplement products. Additionally, investigating the COVID-19 pandemic in the context of halal health supplements with a unique set of variables leads to a new path of study. Examining consumer behavior such as perceived benefit, attitude, subjective norms, and the COVID-19 pandemic that influence online purchase intention will provide consumer insights to marketers involved in halal health supplement products. The perspective on consumer beliefs gives directions for strategy development to businesses.

Originality/Value: The originality of this paper is twofold. First, to the best of the authors' knowledge, this is the first study that investigates the factors influencing the intention to purchase halal health supplements online during health crises. Second, it is the first study that focuses on the role of religiosity and COVID-19 as a moderator in the relationship between attitude, subjective norms, perceived behavioural control, perceived benefit, and perceived risk towards the intention to purchase halal health supplements online. Connecting all the components in a single study will provide a new path for future research.

1. Introduction

The drastic spread of the COVID-19 pandemic encouraged everyone to find a solution to combat the invisible virus. Countries

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worldwide have implemented lockdowns and social distancing, with quarantine and tracking systems as additional precautions against the spread of the virus. Although several vaccines have been developed to reduce the risk of getting and spreading the virus, individuals should still take necessary steps to protect themselves, such as having a healthy diet, exercising, and taking health supplements [1]. In terms of health supplements, customers evaluate the supplements before purchase based on the supplements' quality, features, and health value. The advice on consuming supplements is also supported by previous researchers; who stressed that an accurate balance of dietary supplements would strengthen the immune system to safeguard one's healthy well-being and potentially protect against illness [2]. In essence, the sales and consumption of dietary supplements have been steadily increasing worldwide in the wake of the coronavirus [3].

People have therefore started to find more information on health supplements, and given the need for social distancing, most prefer to find information online. Indeed, this health crisis has changed consumer behaviour from physical to online purchases [4]. A survey shows that 88% of the Malaysian population and 80% of the Indonesian population are digital consumers, the highest rates of digital consumption in Southeast Asia [5]. Having considered that both countries have a majority of Muslim populations which 87.2% in Indonesia and 61.3% in Malaysia [6,7]; it is reasonable to focus on halal health supplements. A person's religion or belief requires someone to behave and act [8]. This religion or belief can underlie the attitude toward consuming health supplements, especially for Muslims, where the supplements must be halal. Furthermore, cleanliness is an essential quality for halal products. Food safety and health concerns could be other reasons customers purchase halal products. Thus, it is expected that Muslims will be more selective in choosing halal health supplements for consumption during health crises. The Theory of Planned Behavior is one of the underlying theories utilized by prior researchers to explain the relationship between religiosity and intention to purchase and consume of halal products [9–11].

The present study, therefore, considers the urgency of consuming health supplements during health crises, along with the increase in online transactions and the need for halal products, providing a new research path in the behavioural intention field.

The authors thus conduct a study on halal health supplements online, with twofold objectives. The first aim is to determine the factors that influence the intention to purchase halal health supplements online, and the second is to examine whether religiosity and health crises play a role in the relationship between attitude, subjective norms, perceived behaviour control, perceived benefit and perceived risk toward the intention to purchase halal health supplements online. Religious variable related to halal health supplements is an interesting topic because for Muslims, the halal factor is an important consideration in purchasing and consuming any products.

This study is one of the earliest studies focused on the combination of three main areas: health supplements, halal products, and online transactions; health supplement suppliers are encouraged to certify their products as halal products and make them available online. This study discovers two different perceptions of Muslims in Indonesia and Malaysia on the intention to purchase halal supplements online; Indonesians focus on the benefit of the health supplement, while Malaysians focus on public attitude, and social norms. Therefore, this study provides insight into online purchases and halal supplement consumption trends. The importance of health supplements is undeniable during the COVID-19 pandemic and due to religiosity. Hence, this study provides practical implications of the demand for halal supplements from the consumer perspective.

The Theory of Planned Behavior (TPB), which dominates behavioral studies, has been applied as the underlying theory to explain the connection of the variables. TPB was proposed by Icek Ajzen in 1985, with three main components leading to behavioral intention: attitude, subjective norms, and perceived behavioral control. The findings from the previous study highlighted that except, for self-efficacy, all other antecedents of TPB had a positive impact on the purchase intention of halal food products among Muslims in India [9]. Furthermore, TPB and Perceived COVID-19 infectability were applied in the case of Iran and found significant mediators in the relationship between fear of COVID-19 and COVID-19 vaccination intention [11]. From another perspective, researchers use TPB components and religiosity to investigate fraudulent customer behavior on eBay [10]. The present study adds perceived benefit and perceived risk as additional independent variables, as these components are important in determining online purchase behavior [12].

2. Literature review

2.1. The COVID-19 pandemic

The COVID-19 fatality rate in Malaysia is below the global because of the fruitful implementation of preparedness and planning, the public health system, contact tracing, case detection, and Movement Control Order (MCO) [13]. However, the virus is reported to transmit primarily through salivary droplets. People are afraid of the risk of using physical money since it can transmit the droplets comprising the COVID-19 virus, and it motivates them to change to e-wallet applications. Perceived risk and perceived usefulness have directly affected the intention to use e-wallets during the pandemic, while the impact of government support on the intention to use e-wallets is mediated by perceived usefulness [14].

During the health crisis, due to control of movement order, people have lessened the occurrence of going out, and need to engage in health-seeking behaviours at home. Health crisis has also impacted health-seeking behaviour through increased health consciousness. Besides the transformation to use e-wallets, consumers also acquire purchases online during the pandemic. A study revealed that e-service quality, health consciousness and subjective norms have an impact on online purchase intention [15]. Another study evidenced that subjective norms and attitude have a significant impact on the intention to purchase sanitizer during the pandemic [16].

The following sections review previous studies on perceived benefits, perceived risks, religiosity, attitude, subjective norms, perceived behaviour control, and the intention to purchase halal health supplements online.

2.2. Attitude, subjective norms and perceived behaviour control

Attitude refers to the preference or feelings that foster people's tendency to act in a certain manner; it is a factor that drives purchase intention. In this study, attitude towards intention to purchase halal health supplements online refers to the degree of a person's belief and expectation in the effect of purchasing the product using digital technology. Previous studies found that customers' attitude has a significant influence on their intention to purchase certain products [17,18].

Subjective norms denote how important an individual or group of people is in influencing individual intention to purchase, in this case, halal health supplements online. The TPB proposed that subjective norms have a positive impact on individual intention behaviour. Subjective norm effect on individuals' intention to buy sustainable products during COVID-19 [19]. Subjective norms were categorized into internal and external elements; external subjective norms have a positive effect on the intention toward online shopping, while internal subjective norms have no significant effect [20].

In this study, perceived behaviour control signifies individual capability and judgment to purchase the halal health supplement online. Individual capability includes sufficient knowledge, ample facilities, and adequate financial resources, while individual judgment evaluates the difficulty level in performing a specific behaviour. Perceived behaviour control has a positive impact on the intention to use online shopping platforms [21]. Perceived behaviour control also has a significant impact on the intention to purchase masks during health crises [22].

2.3. Perceived benefits and perceived risks

Consumers make a purchase if they perceive that they will benefit from the transaction [23]. For example, according to the Theory of Social Cognition, a consumer's understanding of nutrition, the perceived benefits of healthy eating, and the consequences of poor eating habits will affect his or her eating behaviour [24]. It is notable that online purchase is based on the perception of the transactions' benefits and risks [25]. Perceived benefits of online shopping affect the consumer's intention, related to the advantages of adopting e-commerce [26]. The major benefit of online shopping is that consumers can make a purchase at any time and from any place [27]. The intention to purchase will always be related to the comforts and benefits to be obtained [28]. Additionally, online shopping can offer benefits and convenience [28]. Perceived risk and perceived benefits are important in determining e-commerce adoption behaviour [12]; while the benefits offered, the company and the environment affect online business development, such as food delivery [29]. In terms of halal, although most consumers do not possess adequate knowledge about the benefits associated with new goods such as halal cosmetics [30], other consumers may enjoy exploring the potential benefits of halal cosmetics brands [31].

Many argue that electronic commerce is riskier than traditional trade [32], for example, through fraud [33]. Perceived risk has a harmful effect on users' trust in online applications [34]. Risk is the possibility that the product will not offer the expected benefits [35]. Perceived risk can be defined as "any act of a consumer will produce consequences that he or she cannot anticipate, and some to be unpleasant" [36]. Perceived risk is a "subjectively determined expectation of loss" [37].

At a personal level, individual risk-taking behaviour is theorised to be predetermined [38]. Moreover, trust is important in communication transactions, especially when evaluating online risks [39]. The absence of trust and increased perceived risk lead to the transaction being abandoned. On the other hand, it is suggested that financial risks include the cost of paying more for online purchases [40]. Perceived risk rationalises consumer behaviour, reducing their intention to purchase [37]. Perceived risk is the main factor influencing intention to purchase [41], with the perception of risk lowering the willingness to purchase online [42]. Perceived risk impacts purchase decisions involving unpredictable, unpleasant and costly after-effects [43]. Perceived risk negatively affects the consumer's attitude [43,44]. Past studies have found associations between perceived risk and behavioural intention [45], intention to purchase and/or adoption of service [44,46]. Perceived risk is a variable in online shopping. The transaction risk level is higher due to the use of networks in online purchases [47,48]. A study showed that online trust and online transaction risks are major challenges to e-commerce [49]. In other words, perceived risk is an important factor in financial transactions such as online shopping [50] and internet banking [51].

Perceived risk is also an important factor in food purchases. A food shop's image through ambiance, reputation, perceived risk, price and service quality, strongly influence a consumer's choice of purchase [52]. For young consumers, it was found that the perceived risk included hygiene and labeling. Consumers perceived halal food shopping as a risky concern [53,54]. Financial, performance, privacy, psychological and time risks were the perceived risk types in drone food delivery [55]. Additionally, a past study concluded that Muslim travelers' perceived risks of halal food purchases [56].

Health consciousness, hectic lifestyle, and increasing medical expenses are among the factors contributing to dietary supplement consumption [57]. Indeed, the demand for the dietary supplement has surged in the wake of health crises as people believe the supplement will boost their immune systems. A study found that the weekly and daily estimated dietary supplement intake had increased during the COVID-19 pandemic compared to before the pandemic [58]. Nevertheless, for Muslims it is not only to find healthy supplements but more importantly to ensure that it is halal. The authorized institution to conduct the halal certification in Indonesia is Badan Penyelenggara Jaminan Produk Halal (BPJPH) and in Malaysia is Jabatan Kemajuan Islam Malaysia (JAKIM). Aside from religious practice, halal products are obtaining global recognition due to safety and quality assurance [59]. A study evidenced that quality, attitude, subjective norms, and packaging influence the millennials in Jakarta, Bogor, Depok, Tangerang, and Bekasi, Indonesia to switch to halal supplements [60].

2.4. Religiosity

Religiosity refers to “the degree of an individual’s beliefs and commitments about the absolute definitiveness and inherent truth qualities of a religion’s teaching and scriptures” [61]. Religiosity or the affiliation of individuals to a specific religion actively guides their attitude and behavioural outcomes [8]. Religiosity drives individuals’ commitment to behave according to their religious values [62]. Religious values affect how individuals evaluate products and make acquisition decisions [63]. Individuals who uphold their religious values, so-called strong religiosity, are less materialistic than low religiosity as they portray happiness not from the materials, they have but from implementing the religious values. Individuals with strong religiosity tend to behave ethically [64]. In the study, it is proposed that Muslims with strong religiosity buy halal supplements because their religious values require them always to consume them. The higher religious group was more conscious about their lifestyle and less confused by information over choice [65].

2.5. Gaps in the literature

Past literature utilized TPB (attitudes, subjective norms, and perceived behavioral control) on the purchase intention of halal food products of Indian Muslims [9] prior to the outbreak of the COVID-19 pandemic. The intention for COVID-19 vaccination in Iran, a large Muslim majority country [11], and religiosity factors on customer intentions and customer behavior on eBay [10]. This shows that a Muslim consuming halal food product really considers these three components.

The pandemic has directly brought health problems to humankind. The COVID-19 virus can be prevented by consuming healthy nutrition and minimizing the risk of transmission. Furthermore, health concern is expected to continue post-COVID-19 pandemic. This is because large zoonotic disease outbreaks will almost certainly continue to happen frequently [66]. Health crises encourage consumers to shop online. On the other hand, shopping online provides benefits in terms of convenience when shopping and flexibility in choosing suppliers. This study adds perceived benefits and perceived risks as additional independent variables in addition to the three TPB components because these variables are important in determining online buying behavior [12]. This study reduces the gaps in the literature with the combination of health supplements, halal products, and online transactions with the underlying theory of TPB.

2.6. Research framework

Fig. 1 presents the research framework for this study, with attitude, subjective norms, perceived behaviour control, perceived benefits and perceived risks as independent variables following TPB model. Two additional variables are incorporated in the model, religiosity and COVID-19, to test whether they will have a direct effect on the intention to purchase halal health supplements online or whether they have a moderating effect on the relationship between the initial five independent variables and intention to purchase the health supplements. Religiosity and COVID-19 are selected as moderators to determine whether they will strengthen or weaken the relationship between the independent variables and dependent variables. In the context of religiosity, Islamic dietary rules emphasize halal products [67]. Nevertheless, the pandemic may limit and restrict access to halal products, which may result in negative results. In the context of COVID-19, the new norm, to a certain extent, has changed consumer behaviour. Thus, it is worth investigating the role of religiosity and COVID-19 in the intention to purchase halal health supplements.

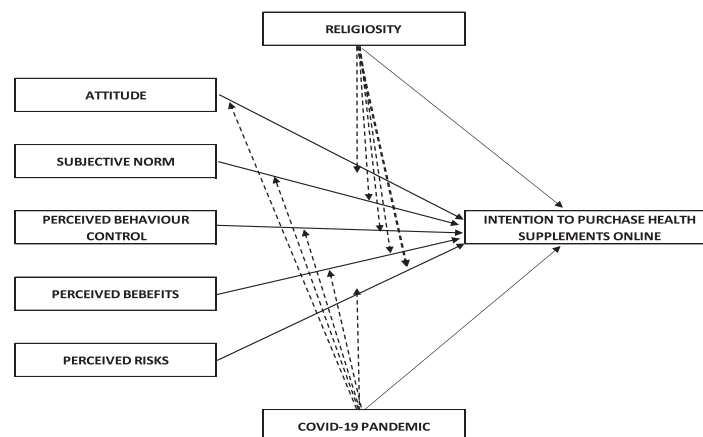


Fig. 1. Research framework.

3. Research methodology

3.1. Population, sample size and sample technique

Indonesia is the largest Muslim country in the world [68] Indonesians and Malaysians are the targeted populations of this study; the adult populations are estimated respectively at 173 million and 21 million (<https://www.statista.com>). These two neighbouring Southeast Asia countries are selected as both have a majority of the Muslim population in Indonesia (87.2%) and Malaysia (61.3%) [6, 7] and these countries offer diverse and dissimilar halal product choices [69] therefore, it is reasonable to focus on a study on halal health supplements.

The sample size for survey research that applies multivariate statistical technique recommended is within the range of 160–300 [70]. A sample of 160–300 is appropriate as it is not too small nor too large [70]. The data obtained were 222; however, the feasible to be processed was 214 after excluded missing data and suspicious response patterns. The quantity of this data is sufficient as it is within the specified range. Thus, a sample of 214 in this study is sufficient and appropriate to be applied in Partial Least Squares-Structure Equation Modelling (PLS-SEM).

Table 1
The questionnaire.

Attitude (72, 73, 77)	
AT1	Purchasing halal health supplement online is attractive to me.
AT2	Purchasing halal health supplement online is well suited to the way in which I normally shop.
AT3	Purchasing for the halal health supplement online is a good idea.
AT4	Purchasing for the halal health supplement online is a wise idea.
AT5	I like the idea of purchasing the halal health supplement online.
AT6	Purchasing for the halal health supplement online is pleasant.
Subjective Norm (72, 73, 77)	
SN1	Members of my family think that it is a good idea to buy halal health supplement via online.
SN2	Most of my friends think that purchasing halal health supplement via online is a good idea.
SN3	Most of my colleagues think that purchasing halal health supplement via online is a good idea.
SN4	People who influence my behaviour think that I should go for the online halal health supplement.
SN5	People who are important to me think that I should go for the online halal health supplement.
Perceived behavioural control (73, 77)	
PBC1	In general, purchasing the halal health supplement online is very complex.
PBC2	It is hard to find the needed halal health supplement products via online.
PBC3	It is difficult to order the halal health supplement product via online.
PBC4	In general, purchasing online halal health supplement yields few problems for me.
PBC5	I have control to purchase for the halal health supplement online.
PBC6	I have the necessary resources to pay for the online halal health supplement.
PBC7	I have the necessary knowledge to pay for the online halal health supplement.
PBC8	Given the opportunities, it would be easy for me to purchase the online halal health supplement.
Perceived Benefits (71)	
PB1	I can shop in privacy at home when buying halal health supplement online.
PB2	I can shop whenever I want when buying halal health supplement online.
PB3	I have a broader selection of products when buying halal health supplement online.
PB4	I can access to many brands when buying halal health supplement online.
PB5	I can access to many retailers when buying halal health supplement online.
PB6	I face no hassles when buying halal health supplement online.
PB7	I am not embarrassed if I do not buy halal health supplement online.
PB8	I can try new experience when buying halal health supplement online.
PB9	I am excited to receive a package when buying halal health supplement online.
Perceived Risks (71)	
PR1	I may purchase something by accident when buying halal health supplement online.
PR2	I might be overcharged when buying halal health supplement online.
PR3	I cannot examine the actual product when buying halal health supplement online.
PR4	I must pay for shipping and handling when buying halal health supplement online.
PR5	It is complicated for me to place order when buying halal health supplement online.
PR6	It is difficult for me to find appropriate websites when buying halal health supplement online.
Online Purchase Intention (75)	
INT1	I intend to make a purchase halal health supplement through the online shopping channels in the future.
INT2	I predict I would make a purchase halal health supplement through the online shopping channels in the future
INT3	I plan to make a purchase halal health supplement through the online shopping channels in the future
COVID 19 influence (74, 76)	
CD1	The pandemic had a significant influence on my online halal supplement consumption.
CD2	The pandemic has increased my online halal supplement consumption.
CD3	The pandemic has encouraged me to spend more on my online halal supplement consumption.
Religiosity (77, 73)	
RL1	My religious beliefs lie behind my whole approach to life.
RL2	I spend time trying to grow in understanding of my faith.
RL3	Religious beliefs influence all my dealings in life.
RL4	Religion is important to me.

The sampling method chosen for this study is convenience sampling. The survey questionnaire was conducted online and distributed to the public, mainly through Whatsapp, Telegram, and Facebook. The respondents must be a minimum age of 18 years old because that age is considered an adult as they can make their own decision and are independent without relying on their parents' suggestions/recommendations. This study performed the survey online because this study was conducted during the pandemic when all of us were asked to stay at home and could not physically meet the respondents.

3.2. Questionnaire

The survey questions are adapted from Refs. [71–77]. The items for the construct are presented in Table 1. For the purpose of coding the respondent's feelings and perception levels in numerical form, a 5-point Likert scale (1 means strongly disagree, 5 means strongly agree) is used for responses to the survey questions. The questionnaire was created using Google Forms, and all questions are expressed in the English, Malay, and Indonesian languages.

3.3. Data analysis techniques and ethical clearance

The data analysis is divided into two parts, descriptive analysis and PLS-SEM. PLS-SEM is appropriate when the objective is to identify the key drivers for the construct, which in this study refers to the determination of the factors to purchase halal health supplements online. SmartPLS 4 software was used for analysis and testing. The measurement and structural models were tested to achieve the objectives of this study. In addition, Multiple Group Analysis was conducted to determine the factors that influence Malaysians and Indonesians to purchase halal health supplements online.

Ethical clearance was obtained from the university's Scientific Ethical Committee (Ethical Approval No.: U/SERC/106/2021).

4. Findings

There is a total of 214 respondents participated in this study. The results of the descriptive analysis are presented in Table 2. There are 60 male respondents representing 27.9% of the respondents and 154 females. The majority of the respondents (76 respondents) are the young generation aged 18 to 24 and the lowest is 55 years old and above. In terms of highest education, most respondents have completed their pre-university and diploma. 114 respondents are married and the remaining are unmarried. 72 respondents working in the private sector, 58 are retirees, 30 are self-employed, 25 are in the public sector, 20 are students, and 9 are housewives. 124 respondents are from Malaysia and 90 are from Indonesia.

In addition, the respondents were asked about their frequency of purchasing online products. The outcome depicted in Fig. 2 below reveals that most of the respondents (80 respondents) are purchasing online products 2 or 3 times a month and 7 respondents never purchased online products. It is predicted that social distancing and restriction movement control orders contribute to online purchases. The public is more convenient to purchase online than queuing for payment in shops and avoiding crowded places.

Notwithstanding the above, the respondents were asked about their frequency of purchasing health supplements, and the result is presented in Fig. 3. Surprisingly, almost half of the respondents (108 respondents) rarely purchase health supplements. The result may be due to precautions on taking the health supplement.

Table 2
Descriptive analysis results.

Item	Description	Frequency	Percentage
Gender	Male	60	27.9
	Female	154	72.1
Age	18–24 years old	76	35.3
	25–35 years old	43	20.4
	36–45 years old	40	19.1
	46–55 years old	47	21.9
	More than 55 years old	8	3.7
Education level	Secondary school	21	9.8
	Pre-University/Certificate/Diploma	82	38.1
	Undergraduate (Bachelor's degree)	50	23.7
	Postgraduate (Doctorate/Master's degree)	57	26.5
	Others	4	1.9
Marital status	Unmarried	100	46.5
	Married	114	53.5
Employment	Public employee	25	11.6
	Private employee	72	34.0
	Own Business/Self-Employed	30	14.0
	Retiree	58	27.0
	Student	20	9.3
Country	Other	9	4.2
	Malaysia	124	58.1
	Indonesia	90	41.9



Fig. 2. Frequency of purchasing online products.

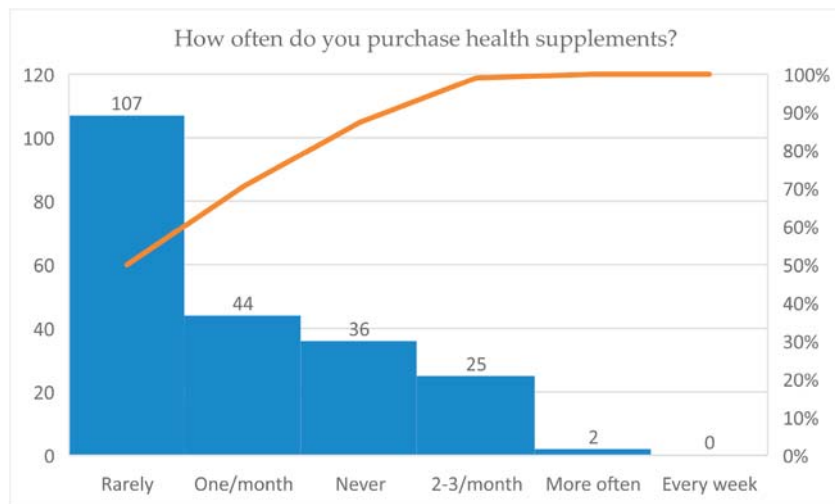


Fig. 3. Frequency of purchasing health supplements.

4.1. Measurement model assessment

PLS-SEM assesses the measurement model, before evaluating the structural model, following several rules of thumb. There are four pointers in assessing the measurement model: indicator loading, internal consistency reliability, convergent validity and discriminant validity [78]. Table 3 presents the results. The first step is examining the indicator loading, and a value above 0.70 is recommended. A few items which do not meet the criteria were deleted. The second stage is evaluating the internal consistency reliability. It was

Table 3
Results for measurement model.

Items	Cronbach Alpha	Rho A	Composite Reliability	Average Variance Extracted (AVE)
Attitude	0.876	0.877	0.924	0.802
Subjective Norms	0.858	0.861	0.914	0.779
Perceived Behaviour Control	0.784	0.923	0.864	0.679
Perceived Benefit	0.863	0.890	0.915	0.783
Perceived Risk	0.823	0.856	0.873	0.579
COVID-19 effect	0.842	0.842	0.927	0.864
Religiosity	0.801	0.812	0.883	0.715
Intention	0.893	0.893	0.949	0.903

Table 4
Factor loadings and VIF results.

	Factor Loadings	VIF
AT1	0.887	2.258
AT2	0.893	2.405
AT3	0.905	2.508
PB2	0.894	1.971
PB3	0.889	2.544
PB5	0.870	2.330
CP1	0.930	2.125
CP3	0.928	2.125
INT1	0.949	2.857
INT2	0.951	2.857
PBC6	0.776	1.759
PBC7	0.802	1.931
PBC8	0.890	1.453
PR1	0.749	1.419
PR3	0.814	2.199
PR5	0.770	2.087
PR6	0.749	1.419
R1	0.862	1.882
R2	0.880	1.901
R4	0.793	1.529
SN1	0.906	2.416
SN3	0.869	2.071
SN4	0.872	2.082
R*SN	1.000	1.000
R*PR	1.000	1.000
R*BN	1.000	1.000
R*PBC	1.000	1.000
R*AT	1.000	1.000
CP*PBC	1.000	1.000
CP*SN	1.000	1.000
CP*PR	1.000	1.000
CP*BN	1.000	1.000
CP*AT	1.000	1.000

executed by extracting the data for composite reliability and Cronbach's Alpha. The results of composite reliability reported in [Table 3](#) indicate that the values are within the suggested range of satisfactory to good [79]. Likewise, the value of Cronbach's Alpha met the rule of thumb as more than 0.70. The third step is examining the convergent validity by conducting the average variance extracted (AVE); again, AVE had an acceptable value of above 0.50.

Moreover, [Table 4](#) shows that all the factor loadings are relevant as the values are more than 0.5 and no multicollinearity issue arises because the VIF values are below 5.

The result further shows no discriminant validity problem since the heterotrait–monotrait ratio (HTMT) of the correlation value is below 0.90. The results are displayed in [Table 5](#).

4.2. Structural model assessment

[Table 6](#) shows the results of the structural model assessment of combining both countries after taking into consideration the effect of attitude (A), subjective norms (SN), perceived behavioral control (PBC), perceived benefit (PB), and perceived risk (PR) on intention to purchase halal health supplements online and incorporates both COVID-19 pandemic (CP) and religiosity (RL) as moderators. It shows that ATT, SN, CP, and RL have a direct effect on the intention to purchase halal health supplements online. The results also reveal a reverse moderation impact of CP and SN on the intention to purchase halal health supplements online. [Table 6](#) indicates the R square is 0.62 for both countries; which explains 62% of the intention to purchase halal health supplements, categorized as moderate.

5. Discussion

The result shows that attitude and subjective norms have a positive impact on the intention to purchase halal health supplements online. The results are in line with the work by previous researchers [17,19] who discovered that attitude and subjective norms have a positive influence on the intention to buy certain products. These outcomes signify that Muslims favour products closely related to their religious beliefs [80]. This result further justifies that respondents believe health supplements help to boost immune response during the pandemic. They also believe purchasing halal health supplements online will be wise since people try to avoid physical shopping and face-to-face conversation. The stay-home restriction also encourages online purchases. In contrast, a past study evidenced that attitude does not influence the intention to purchase halal food among Gen Y in Malaysia [81]. They believe that Gen Y is more focused on social lifestyle.

Table 5
HTMT results.

A	BN	CP	INT	PBC	PR	R	SN	R x PR	R x PBC	CP x SN	R x A	CP x BN	CP x PBC	CP x A	R x BN	CP x PR	R x SN
A																	
BN	0.56																
CP	0.66	0.50															
INT	0.75	0.51	0.72														
PBC	0.63	0.78	0.43	0.45													
PR	0.39	0.34	0.10	0.21	0.29												
R	0.23	0.31	0.18	0.25	0.38	0.21											
SN	0.89	0.55	0.72	0.78	0.60	0.37	0.26										
R x PR	0.04	0.01	0.11	0.03	0.09	0.20	0.22	0.05									
R x PBC	0.05	0.08	0.02	0.10	0.10	0.05	0.36	0.09	0.29								
CP x SN	0.35	0.05	0.35	0.41	0.12	0.07	0.05	0.35	0.11	0.02							
R x A	0.04	0.21	0.05	0.15	0.07	0.04	0.13	0.06	0.28	0.65							
CP x BN	0.08	0.26	0.08	0.13	0.15	0.16	0.14	0.05	0.19	0.11	0.09						
CP x PBC	0.12	0.16	0.03	0.05	0.31	0.15	0.03	0.06	0.19	0.32	0.09	0.73					
CP x A	0.38	0.07	0.38	0.38	0.12	0.09	0.04	0.36	0.12	0.86	0.05	0.53	0.45				
R x BN	0.17	0.16	0.15	0.18	0.13	0.05	0.23	0.12	0.27	0.09	0.43	0.13	0.10	0.11			
CP x PR	0.08	0.18	0.12	0.12	0.18	0.13	0.09	0.06	0.02	0.15	0.21	0.12	0.19	0.07	0.21		
R x SN	0.02	0.14	0.09	0.13	0.12	0.05	0.15	0.04	0.31	0.10	0.74	0.06	0.06	0.07	0.49	0.20	

Table 6
Results for Structural Model using PLS SEM.

	Standard Beta	Standard Deviation	T statistics	P values
A - > INT	0.238	0.225	2.840	0.005
BN - > INT	0.063	0.056	0.835	0.404
CP - > INT	0.223	0.220	3.384	0.001
PBC - > INT	0.013	0.043	0.142	0.887
PR - > INT	0.039	0.030	0.740	0.459
R - > INT	0.116	0.113	2.052	0.040
SN - > INT	0.278	0.272	2.948	0.003
R x PR - > INT	-0.012	-0.011	0.211	0.833
R x PBC - > INT	0.093	0.056	0.840	0.401
CP x SN - > INT	-0.173	-0.188	1.959	0.050
R x A - > INT	0.014	0.019	0.145	0.885
CP x BN - > INT	-0.039	-0.024	0.529	0.597
CP x PBC - > INT	0.074	0.065	1.015	0.310
CP x A - > INT	0.052	0.045	0.513	0.608
R x BN - > INT	-0.046	-0.015	0.534	0.593
CP x PR - > INT	-0.063	-0.071	1.243	0.214
R x SN - > INT	0.047	0.025	0.496	0.620

In addition to the above analyses, a multi group analysis (MGA) was conducted where the data were grouped by country for Indonesia and Malaysia, respectively. For Indonesia, only PB has a significant positive impact on the intention to purchase halal health supplements online, while for Malaysia, ATT, SN, and CP have a significant influence, with R squares 0.65 and 0.69, respectively. This indicates a moderate model.

The finding of this study reveals that during the pandemic immediate families, close friends, and colleagues are important in giving support and disseminating information. Close relationships during the pandemic persuade others' intentional behaviour. Notably, social relationships may compensate for highly favourable attitudes in building intentions to purchase halal products [82].

Nevertheless, the result shows that perceived behavioural control does not have a significant impact on the intention to purchase halal health supplements. The result is consistent with past studies [83,84] conducted on the customers' intention to purchase halal food in South Africa. They argued that consumers might not have control over buying halal products. The outcome contradicts the result obtained from a previous study who found a significant positive relationship between perceived behavioural control and the intention to purchase halal food among Muslim travelers [85].

The results show that COVID-19 affects the intention to purchase halal health supplements. During the global health crisis, having a good health supplement will strengthen the immune system to fight the disease. Consuming vitamin D supplements habitually a year before COVID-19 diagnosis was correlated with less severe disease and better survival than not consuming vitamin D or receiving supplements shortly after diagnosis [86]. The findings also reveal that perceived benefit positively impacts the intention to purchase halal health supplements. These specify that respondents intend to purchase halal health supplements online if they find they will benefit them. Religiosity also has a significant positive impact on the intention to purchase halal health supplements. Specifically, it denotes the respondents' concern and tendency to consume halal products.

Nonetheless, the results of interaction terms show that COVID-19 moderates the relationship between subjective norms and intention to purchase halal health supplements online, while others show no significant results. This suggests that a higher COVID-19 pandemic impact will change the direction of the influence of subjective norms on the intention to purchase halal health products from positive to negative. A possible reason is that respondents' fear of being infected, the restriction on traveling, and physical distancing increase their intention to purchase the halal health supplement inversely to the immediate families' and friends' influence. Rather than being a determinant of purchase intention, the pandemic has a relatively reverse modifying power on subjective norms.

The findings illustrate that perceived benefit is the most important indicator for Indonesian respondents regarding their intention to purchase halal health supplements online. This can be interpreted as privacy, easy access, and a broader selection of products and retailers via online platforms leading to the purchase indentation of online halal health supplements. On the other hand, in Malaysia, attitude, subjective norms, and COVID-19 are the factors that contribute to purchase intention among respondents. Their stance on immunity supplements to prevent the disease and encouragement from immediate families and friends influence their intention to purchase halal health supplements during the pandemic. However, perceived benefit is not a significant indicator for Malaysian respondents regarding their intention to purchase, and the result is in line with a study on the intention to consume Fe tablet [87]. Furthermore, perceived risk does not have a significant effect on the intention to purchase halal health supplements in both Indonesia and Malaysia. This finding is supported by the previous study that perceived risk does not have significant influence on intention to purchase Visval e-commerce products in Indonesia [88].

6. Conclusions

The health crises such as COVID-19 pandemic has changed the way of life in many aspects, including handling business operations, banking transaction, teaching and learning, and purchasing behavior. Many people have shifted from physical to online transactions to avoid crowded places and for safety purposes. In addition, COVID-19 has remarked on the importance of health products. This study adds new insight to the online purchase literature, specifically on halal health supplements, by including the elements of religiosity and COVID-19, supporting the TPB.

6.1. Theoretical and practical implication

This study has several implications in terms of theoretical and practical. In theoretical terms, this study has supported the TPB by concluding that attitude and subjective norms are the drivers that influence the purchase of halal health supplements online. The findings validate the idea that conceptualise in TPB. Moreover, this study incorporates perceived benefit and perceived risk in the framework, which broadens the TPB scope. Additionally, this study extends the theory by proposing the COVID-19 pandemic and religiosity as moderators. The two elements were selected after considering the necessity of online purchases and halal products. It gives a new research path, and the interpretation of the TPB outcome should consider the market situation at a particular time.

In practice, health supplement providers should consider producing halal supplements and moving forward to online business. Consumers express greater gratification if businesses acknowledge the religious obligation [80 and the current market trend. They should also focus on the supplement for long- or post-COVID-19 patients. Policymakers should be involved in inspecting the health supplement's nutritional content to ensure its quality.

In practical terms, this study contributes to the marketing agenda of promoting halal health supplement online. Strategic marketing planning should include developing a positive attitude towards halal health products, boosting halal products through social norms, and learning from COVID-19 pandemic necessities. Despite the lower cases of COVID-19 in recent days and the mild symptoms which is under control, the consumption of health supplement should be continued to keep healthy. Government plays an essential role in promoting awareness of healthy products to the public.

6.2. Limitation and future research

This study is limited to Malaysian and Indonesian respondents. It is recommended to invite other countries to participate in the survey in order to have perceptions from different countries. Additionally, this study's questionnaire comprised close-ended questions, so future researchers may consider open-ended questions to obtain broader feedback. Since this study was conducted during the COVID-19 pandemic, there is a need for the hypothesis to be tested continuously. This study was conducted in Southeast Asia i.e. Indonesia and Malaysia; The findings of the study could vary if it is carried out in other Muslim majority countries. The health supplement is the focus of this study, future studies may focus on other products and services such as halal skin-care products or halal tourism.

Author contribution statement

Adi Tedjakusuma; Hui Nee Au Yong; Erna Andajani; Zam Zuriyati Mohamad: Conceived and designed the experiments; Performed the experiments; Analyzed and interpreted the data; Contributed reagents, materials, analysis tools or data; Wrote the paper.

Data availability statement

The data that has been used is confidential.

Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Appendix

Section A Demographic Profile

Section A: Demographic Profile
<p>1. Gender</p> <p><input type="checkbox"/> Male</p> <p><input type="checkbox"/> Female</p>
<p>2. Age Group</p> <p><input type="checkbox"/> 18-24 years old</p> <p><input type="checkbox"/> 25-35 years old</p> <p><input type="checkbox"/> 36-45 years old</p> <p><input type="checkbox"/> 46-55 years old</p> <p><input type="checkbox"/> More than 55 years old</p>
<p>3. Education Level</p> <p><input type="checkbox"/> Secondary School</p> <p><input type="checkbox"/> Pre-University / Certificate / Diploma</p> <p><input type="checkbox"/> Undergraduate (Bachelor's degree)</p> <p><input type="checkbox"/> Postgraduate (Doctorate / Master's degree)</p> <p><input type="checkbox"/> Others. Please state _____</p>
<p>4. Marital Status</p> <p><input type="checkbox"/> Unmarried</p> <p><input type="checkbox"/> Married</p>
<p>5. Employment</p> <p><input type="checkbox"/> Public employee</p> <p><input type="checkbox"/> Private employee</p> <p><input type="checkbox"/> Own Business / Self-Employed</p> <p><input type="checkbox"/> Retiree</p> <p><input type="checkbox"/> Student</p> <p><input type="checkbox"/> Others. Please state _____</p>
<p>6. Country of residence</p> <p><input type="checkbox"/> Malaysia</p> <p><input type="checkbox"/> Indonesia</p>
<p>7. City : Please state _____</p>
<p>8. How often do you purchase online products?</p> <p><input type="checkbox"/> Never</p> <p><input type="checkbox"/> Rare</p> <p><input type="checkbox"/> 1/month</p> <p><input type="checkbox"/> 2-3/month</p> <p><input type="checkbox"/> Every week</p> <p><input type="checkbox"/> More often</p>
<p>9. How often do you purchase health supplement?</p> <p><input type="checkbox"/> Never</p> <p><input type="checkbox"/> Rare</p> <p><input type="checkbox"/> 1/month</p> <p><input type="checkbox"/> 2-3/month</p> <p><input type="checkbox"/> Every week</p> <p><input type="checkbox"/> More often</p>

Section B

Attitude						
s	Purchasing halal health supplement online is attractive to me.	1	2	3	4	5
AT2	Purchasing halal health supplement online is well suited to the way in which I normally shop.	1	2	3	4	5
AT3	Purchasing for the halal health supplement online is a good idea.	1	2	3	4	5
AT4	Purchasing for the halal health supplement online is a wise idea.	1	2	3	4	5
AT5	I like the idea of purchasing the halal health supplement online.	1	2	3	4	5
AT6	Purchasing for the halal health supplement online is pleasant.	1	2	3	4	5
Subjective Norm						
SN1	Members of my family think that it is a good idea to buy halal health supplement via online.	1	2	3	4	5
SN2	Most of my friends think that purchasing halal health supplement via online is a good idea.	1	2	3	4	5
SN3	Most of my colleagues think that purchasing halal health supplement via online is a good idea.	1	2	3	4	5
SN4	People who influence my behaviour think that I should go for the online halal health supplement.	1	2	3	4	5
SN5	People who are important to me think that I should go for the online halal health supplement.	1	2	3	4	5
Perceived behavioural control						
PBC1	In general, purchasing the halal health supplement online is very complex.	1	2	3	4	5
PBC2	It is hard to find the needed halal health supplement products via online.	1	2	3	4	5
PBC3	It is difficult to order the halal health supplement product via online.	1	2	3	4	5
PBC4	In general, purchasing online halal health supplement yields few problems for me.	1	2	3	4	5
PBC5	I have control to purchase for the halal health supplement online.	1	2	3	4	5
PBC6	I have the necessary resources to pay for the online halal health supplement.	1	2	3	4	5
PBC7	I have the necessary knowledge to pay for the online halal health supplement.	1	2	3	4	5
PBC8	Given the opportunities, it would be easy for me to purchase the online halal health supplement.	1	2	3	4	5
Perceived Benefits						
PB1	I can shop in privacy at home when buying halal health supplement online.	1	2	3	4	5
PB2	I can shop whenever I want when buying halal health supplement online.	1	2	3	4	5
PB3	I have a broader selection of products when buying halal health supplement online.	1	2	3	4	5
PB4	I can access to many brands when buying halal health supplement online.	1	2	3	4	5
PB5	I can access to many retailers when buying halal health supplement online.	1	2	3	4	5
PB6	I face no hassles when buying halal health supplement online.	1	2	3	4	5
PB7	I am not embarrassed if I do not buy halal health supplement online.	1	2	3	4	5
PB8	I can try new experience when buying halal health supplement online.	1	2	3	4	5
PB9	I am excited to receive a package when buying halal health supplement online.	1	2	3	4	5
Perceived Risks						
PR1	I may purchase something by accident when buying halal health supplement online.	1	2	3	4	5
PR2	I might be overcharged when buying halal health supplement online.	1	2	3	4	5
PR3	I cannot examine the actual product when buying halal health supplement online.	1	2	3	4	5
PR4	I must pay for shipping and handling when buying halal health supplement online.	1	2	3	4	5
PR5	It is complicated for me to place order when buying halal health supplement online.	1	2	3	4	5
PR6	It is difficult for me to find appropriate websites when buying halal health supplement online.	1	2	3	4	5
Online Purchase Intention						
PI1	I intend to make a purchase halal health supplement through the online shopping channels in the future.	1	2	3	4	5
PI2	I predict I would make a purchase halal health supplement through the online shopping channels in the future	1	2	3	4	5
PI3	I plan to make a purchase halal health supplement through the online shopping channels in the future	1	2	3	4	5
COVID 19 influence						
CD1	The pandemic had a significant influence on my online halal supplement consumption.	1	2	3	4	5
CD2	The pandemic has increased my online halal supplement consumption.	1	2	3	4	5
CD3	The pandemic has encouraged me to spend more on my online halal supplement consumption.	1	2	3	4	5
Religiosity						
RL1	My religious beliefs lie behind my whole approach to life.	1	2	3	4	5
RL2	I spend time trying to grow in understanding of my faith.	1	2	3	4	5
RL3	Religious beliefs influence all my dealings in life.	1	2	3	4	5
RL4	Religion is important to me.	1	2	3	4	5

References

- [1] H. Setyoningsih, Y. Pratiwi, A. Rahmawati, H.M. Wijaya, R.N. Lina, Penggunaan vitamin untuk meningkatkan imunitas tubuh di masa pandemi, *Jurnal Pengabdian Kesehatan STIKES Cendekia Utama Kudus P-ISSN 2614-3593 E-ISSN 2614-3607* 4 (2) (2021), 2021, <http://jpk.jurnal.stikescendekiautamakudus.ac.id>.
- [2] M. Mrityunjaya, V. Pavithra, R. Neelam, P. Janhavi, P.M. Halami, P.V. Ravindra, Immune-boosting, antioxidant and anti-inflammatory food supplements targeting pathogenesis of COVID-19, *Front. Immunol.* (2020) 2337.
- [3] J. Hamulka, M. Jeruszka-Bielak, M. Górnicka, M.E. Drywień, M.A. Zielinska-Pukos, Dietary Supplements during COVID-19 outbreak. Results of Google Trends analysis supported by PLifeCOVID-19 online studies, *Nutrients* 13 (1) (2021) 54.
- [4] E.R. Malthaputri, Y. Sunitiyoso, Online shopping behavioural insight of health products during pandemic, *Journal of International Conference Proceedings* 4 (3) (2021) 185–192.
- [5] V. Ganesan, Malaysia E-Shopping King of the Region, 9 Out of 10 Online by End-2021. *The Edge Markets*, 2021. Retrieved from, <http://www.theedgemarkets.com>.
- [6] F.E. Christy, Indonesia Dengan Muslim Terbesar Di Asia Tenggara, 2019. <https://data.tempo.co/data/480/indonesia-dengan-muslim-terbesar-di-asia-tenggara>.
- [7] Kristina, 3 Negara di Asia Tenggara dengan Penduduk Mayoritas Islam, 2021. www.detik.com/edu/detikpedia/d-5718027/3-negara-di-asia-tenggara-dengan-penduduk-mayoritas-islam.

- [8] S.K. Ariffin, I. Ismail, K.A. Mohammad Shah, Religiosity moderates the relationship between ego-defensive function and attitude towards advertising, *Journal of Islamic Marketing* 7 (1) (2016) 15–36.
- [9] A. Khan, M.K. Azam, M.Y. Arafat, Does religiosity really matter in purchase intention of halal certified packaged food products? A survey of Indian Muslims consumers, *Pertanika J. Soc. Sci. and Hum.* 27 (4) (2019) 2383–2400.
- [10] S. Sharma, G. Singh, L. Gaur, R. Sharma, Does psychological distance and religiosity influence fraudulent customer behaviour? *Int. J. Consum. Stud.* 46 (4) (2022) 1468–1487. <https://doi-org.libezp2.utar.edu.my/10.1111/ijcs.12773>.
- [11] R. Yahaghi, S. Ahmadizade, R. Fotuhi, E. Taherkhani, M. Ranjbaran, Z. Buchali, R. Jafari, N. Zamani, A. Shahbazkhanian, H. Simiari, et al., Fear of COVID-19 and perceived COVID-19 infectability supplement theory of planned behaviour to explain Iranians' intention to get COVID-19 vaccinated, *Vaccines* 9 (2021) 684, <https://doi.org/10.3390/vaccines9070684>.
- [12] T. Tanadi, B. Samadi, B. Gharleghi, The impact of perceived risks and perceived benefits to improve an online intention among Generation-Y in Malaysia, *Asian Soc. Sci.* 11 (26) (2015) 226–238.
- [13] J.H. Hashim, M.A. Adnan, Z. Hashim, M.F. Mohd Radi, S.C. Kwan, COVID-19 epidemic in Malaysia: epidemic progression, challenges, and response, *Front. Public Health* 9 (2021), 560592, <https://doi.org/10.3389/fpubh.2021.560592>.
- [14] H.M. Aji, I. Berakon, M. Md Husin, COVID-19 and e-wallet usage intention: a multigroup analysis between Indonesia and Malaysia, *Cogent Business and Management* 7 (1) (2020), 1804181, <https://doi.org/10.1080/23311975.2020.1804181>.
- [15] S. Candra, M. Ayudina, M.A. Arashi, The impact of online food applications during the covid-19 pandemic, *International Journal of Technology* 12 (3) (2021) 472–484.
- [16] S. Hidayat, W. Wibowo, Y.E. Gunawan, G.C. Dewi, M. Wijayaningtyas, Factors influencing purchase intention of healthcare products during the COVID-19 pandemic: an empirical study in Indonesia, *Journal of Asian Finance, Economics and Business* 8 (6) (2021) 337–345, <https://doi.org/10.13106/jafeb.2021.vol8.no6.0337>.
- [17] M.S.A. Latip, F.T. Newaz, R. Ramasamy, S.A. Tumin, I. Noh, How do food safety knowledge and trust affect individual's green considerations during the covid-19 pandemic in Malaysia? *Malaysian Journal of Consumer and Family Economics* 24 (2020) 261–285.
- [18] S.M. Pang, B.C. Tan, T.C. Lau, Antecedents of consumers' purchase intention towards organic food: integration of theory of planned behavior and protection motivation theory, *Sustainability* 13 (9) (2021) 5218.
- [19] L. Alexa, A. Apetrei, J. Sapena, The COVID-19 lockdown effect on the intention to purchase sustainable brands, *Sustainability* 13 (6) (2021) 3241.
- [20] J. Koch, B. Frommeyer, G. Schewe, Online shopping motives during the COVID-19 pandemic—lessons from the crisis, *Sustainability* 12 (24) (2020), 10247.
- [21] J. Moon, Y. Choe, H. Song, Determinants of consumers' online/offline shopping behaviours during the COVID-19 pandemic, *Int. J. Environ. Res. Publ. Health* 18 (4) (2021) 1593.
- [22] T.K.P. Tran, Critical factors affecting masks purchasing intention of consumers during COVID-19 pandemic: an empirical study in vietnam, *The Journal of Asian Finance, Economics and Business* 8 (5) (2021) 1011–1017.
- [23] H. Lai, Y.T. Zhuang, Comparing the performance of group-buying models-time based vs. quantity-based incentives, in: *Proceedings of the Third Workshop on Knowledge-Economy and Electronic Commerce*, National Central University, Taiwan, 2006.
- [24] L. Sutanto, W. Lukito, R.W. Basrow, Nutrition Interventions for Healthy Ageing in Indonesia, 2020, <https://doi.org/10.20473/amnt.v4i1SP.2020.1-5>.
- [25] T.S.H. Teo, J. Liu, Consumer trust in E-commerce in the United States, Singapore, and China, *Omega* 35 (2007) 22–38.
- [26] N. Delafrooz, L.H. Paim, A. Khatibi, Understanding consumer's internet purchase intention in Malaysia, *Afr. J. Bus. Manag.* 5 (3) (2011) 2837–2846.
- [27] M. Salehi, Consumer buying behavior towards online shopping stores in Malaysia, *Int. J. Acad. Res. Bus. Soc. Sci.* 2 (1) (2012) 393–402.
- [28] M.T. Liu, J.L. Brock, G.C. Shi, R. Chu, T.H. Tseng, Perceived benefits, perceived risk, and trust: influences on consumers' group buying behaviour, *Asia Pac. J. Mark. Logist.* 25 (2013) 225–248.
- [29] B. Sindhav, A.L. Balazs, A model of factors affecting the growth of retailing on the internet, *J. Mark.-Focused Manag.* 4 (4) (1999) 319–339.
- [30] S. Mohezar, S. Zailani, Z. Zainuddin, *Halal* cosmetics adoption among young Muslim consumers in Malaysia: religiosity concern, *GJAT* 6 (1) (2016) 47–59.
- [31] K.H. Kim, D.H. Kim, Research reports: a study on the attitude toward make-up cosmetics by fashion leadership -ranging in silver generation women, *Journal of the Korean Society of Design Culture* 16 (4) (2010) 52–68.
- [32] Yao-Hua Tan, Walter Thoen, Toward a generic model of trust for electronic commerce, *Int. J. Electron. Commer.* 5 (2000) 61–74.
- [33] Ian MacInnes, Damani Musgrave, Jason Laska, Electronic commerce fraud: towards an understanding of the phenomenon, Former Departments, Centers, Institutes and Projects (2005), <https://doi.org/10.1109/HICSS.2005.227>.
- [34] T. Zhou, Understanding users' initial trust in mobile banking: an elaboration likelihood perspective, *Comput. Hum. Behav.* 28 (4) (2010) 1518–1525.
- [35] T. Roselius, Consumer rankings of risk reduction methods, *J. Marketing* 35 (1) (1971) 56–61.
- [36] R.A. Bauer, Consumer behavior as risk taking, June 15, 16, 17, in: *Proceedings of the 43rd National Conference of the American Marketing Association*, American Marketing Association, Chicago, IL, 1960.
- [37] V.-W. Mitchell, Consumer perceived risk: conceptualizations and models, *Eur. J. Market.* 33 (1/2) (1999) 163–195.
- [38] J. Wang, N. Xiao, H. Raghav Rao, Research note—an exploration of risk characteristics of information security threats and related public information search behavior, *Inf. Syst. Res.* 26 (3) (2015) 619–633.
- [39] J. Bryce, J. Fraser, The role of disclosure of personal information in the evaluation of risk and trust in young peoples' online interactions, *Comput. Hum. Behav.* 30 (2014) 299–306.
- [40] A. Popli, S. Mishra, Factors of perceived risk affecting online purchase decisions of consumers, *Pacific Business Review International* 8 (2) (2015) 49–58.
- [41] R.N. Stone, K. Grønhaug, Perceived risk: further considerations for the marketing discipline, *Eur. J. Market.* 27 (3) (1993) 39–50.
- [42] D. Barnes, M. Hinton, Developing a framework to analyse the roles and relationships of online intermediaries, *Int. J. Inf. Manag.* 27 (2) (2007) 63–74.
- [43] H. Celik, What determines Turkish customers' acceptance of internet banking? *Int. J. Bank Market.* 26 (5) (2008) 353–370.
- [44] M.C. Lee, Factors influencing the adoption of internet banking: an integration of TAM and TPB with perceived risk and perceived benefit, *Electron. Commer. Res. Appl.* 8 (3) (2009) 130–141.
- [45] A. Kesharwani, S.S. Bisht, The impact of trust and perceived risk on internet banking adoption in India, *Int. J. Bank Market.* 30 (4) (2012) 303–322.
- [46] A. Kesharwani, T. Tripathy, Dimensionality of perceived risk and its impact on internet banking adoption: an empirical investigation, *Serv. Market. Q.* 33 (2) (2012) 177–193.
- [47] V. Shankar, G.L. Urban, F. Sultan, Online trust: a stakeholder perspective, concepts, implications, and future directions, *J. Strat. Inf. Syst.* 11 (3) (2002) 325–344.
- [48] S. Yang, Y. Lu, S. Gupta, Y. Cao, R. Zhang, Mobile payment services adoption across time: an empirical study of the effects of behavioral beliefs, social influences, and personal traits, *Comput. Hum. Behav.* 28 (2011) 129–142.
- [49] J. Nielsen, *E-commerce usability Improvements*, 2011. <https://www.ngroup.com/articles/ecommerce-improvements/>.
- [50] B. Vatanasombut, A. Stylianou, M. Igbaria, How to retain online consumers, *Commun. ACM* 47 (6) (2004) 65–69.
- [51] J.S. Chiou, C.C. Shen, The antecedents of online financial service acceptance: the impact of physical banking services on internet banking acceptance, *Behavior and Information Technology* 31 (9) (2012) 859–871.
- [52] P.C. Wu, G.Y.Y. Yeh, C.R. Hsiao, The effect of store image and service quality on brand image and purchase intention for private label brands, *Australasian Marketing Journal (AMJ)* 19 (1) (2011) 30–39.
- [53] G. Rezaei, Z. Mohamed, M.N. Shamsudin, Assessment of consumers' confidence on halal labelled manufactured food in Malaysia, *Pertanika Journal of Social Science & Humanity* 20 (1) (2012) 33–42.
- [54] U. Maman, A. Mahbubi, F. Jie, Halal risk mitigation in the Australian – Indonesian red meat supply chain, *Journal of Islamic Marketing* 9 (1) (2018) 60–79.
- [55] J. Hwang, J. Choe, Exploring perceived risk in building successful drone food delivery services, *Intrnational journal of contemporary hosp. Management* 31 (8) (2019) 3249–3269.
- [56] H.G. Olya, A. Al-Ansi, Risk assessment of halal products and services: implication for tourism industry, *Tour. Manag.* 65 (2018), 279–21'.

- [57] N.M. Asri, A.A. Aziz, Halal dietary supplement products in Malaysia, in: *Management of Shari'ah Compliant Businesses*, Springer, Cham, 2019, pp. 133–138.
- [58] H. Mohsen, N. Yazbeck, A. Al-Jawaldeh, N. Bou Chahine, H. Hamieh, Y. Mourad, M. Hoteit, Knowledge, attitudes, and practices related to dietary supplementation, before and during the COVID-19 pandemic: findings from a cross-sectional survey in the Lebanese population, *Int. J. Environ. Res. Publ. Health* 18 (16) (2021) 8856.
- [59] M.A.B. Ab Halim, K. Miah, M.M.M. Salleh, N.B. Nordin, A.B.M. Husni, Halal Pharmaceuticals. *Social Sciences*, 2015 (Pakistan).
- [60] N. Sobari, H. Usman, S. Sunarmo, Halal Supplement: A Perspective of Muslim Millennial Generation, ICSGS, Jakarta, Indonesia, 2019, 2018, October 24-26.
- [61] W. Ahmed, A. Najmi, H.M. Faizan, S. Ahmed, Consumer behaviour towards willingness to pay for Halal products: an assessment of demand for Halal certification in a Muslim country, *Br. Food J.* 121 (2) (2019) 492–504.
- [62] A. Ali, M. Sherwani, A. Ali, Z. Ali, S. Sherwani, The moderating role of individualism/collectivism and materialism: an application of the theory of planned behaviour (TPB) in halal food purchasing, *J. Food Prod. Market.* 26 (9) (2020) 581–599.
- [63] G. Mortimer, S.M. Fazal-e-Hasan, M. Grimmer, L. Grimmer, Explaining the impact of consumer religiosity, perceived risk and moral potency on purchase intentions, *J. Retailing Consum. Serv.* 55 (2020), 102115.
- [64] S. Samad, M. Kashif, S. Wijeneyake, M. Mingione, Islamic religiosity and ethical intentions of Islamic Bank managers: rethinking theory of planned behaviour, *Journal of Islamic Marketing* 13 (11) (2022) 2421–2436.
- [65] S. Yousaf, M. Shaukat Malik, Evaluating the influences of religiosity and product involvement level on the consumers, *Journal of Islamic Marketing* 4 (2) (2013) 163–186.
- [66] P.R. Stephens, N. Gottdenker, A.M. Schatz, J.P. Schmidt, J.M. Drake, Characteristics of the 100 Largest Modern Zoonotic Disease Outbreaks, vol. 376, *Philosophy Transaction Royal Society B*, 2021, 20200535, <https://doi.org/10.1098/rstb.2020.0535>.
- [67] S.Z. Syed Marzuki, H. Abdullah, R. Ab Halim, S.Z. Buyong, M. Zreik, Purchasing behaviour on halal food products during movement control order (MCO): quantitative evidence from covid-19 pandemic, *ASEAN Entrepreneurship Journal (AEJ)* 6 (2) (2020) 16–21.
- [68] R. Brackey, The Largest Muslim Country Is Not in the Middle East, *International Mission Board (IMB)*, 2018.
- [69] P. Arsil, Y.S. Tey, M. Brindal, C.U. Phua, D. Liana, Personal values underlying halal food consumption: evidence from Indonesia and Malaysia, *Br. Food J.* 120 (3) (2018) 2524–2538.
- [70] M.A. Memon, H. Ting, J.H. Cheah, R. Thurasamy, F. Chuah, T.H. Cham, Sample size for survey research: review and recommendations, *Journal of Applied Structural Equation Modeling* 4 (2) (2020) 1–20.
- [71] S. Forsythe, C.L. Liu, D. Shannon, L.C. Gardner, Development of a scale to measure the perceived benefits and risks of online shopping, *J. Interact. Market.* 20 (2) (2006) 55–75, <https://doi.org/10.1002/di>.
- [72] T. Hansen, J.M. Jensen, H.S. Solgaard, Predicting online grocery buying intention: a comparison of the theory of reasoned action and the theory of planned behavior, *Int. J. Inf. Manag.* 24 (6) (2004) 539–550, behavior. *Journal of Environmental Treatment Techniques*, 8(1), 13-22.
- [73] S.M. Parvin Hosseini, M. Mirzaei, M. Iranmanesh, Determinants of Muslims' willingness to pay for halal certified food. *Journal of Islamic Marketing*, ahead-of-print (ahead-of-print) (2019), <https://doi.org/10.1108/jima-02-2018-0043>.
- [74] N. Akhtar, S. Jin, T.H. Alvi, U.I. Siddiqi, Conflicting halal attributes at halal restaurants and consumers' responses: the moderating role of religiosity, *J. Hospit. Tourism Manag.* 45 (2020) 499–510.
- [75] H. Celik, Customer online shopping anxiety within the unified theory of acceptance and use technology (UTAUT) framework, *Asia Pac. J. Mark. Logist.* 28 (2) (2016) 278–307.
- [76] X. Qi, H. Yu, A. Ploeger, Exploring influential factors including COVID-19 on green food purchase intentions and the intention-behaviour gap: a qualitative study among consumers in a Chinese context, *Int. J. Environ. Res. Publ. Health* 17 (19) (2020) 7106.
- [77] A.H. Ngah, J. Jeevan, N.H.M. Salleh, T.T.H. Lee, Willingness to pay for halal transportation cost: the moderating effect of knowledge on the theory of planned behavior, *Journal of Environmental Treatment Techniques* 8 (1) (2020) 13–22.
- [78] J.F. Hair Jr., G.T.M. Hult, C.M. Ringle, M. Sarstedt, N.P. Danks, S. Ray, *Partial Least Squares Structural Equation Modeling (PLS-SEM) Using R: A Workbook (P. 197)*, Springer Nature, 2021.
- [79] J.F. Hair, J.J. Risher, M. Sarstedt, C.M. Ringle, When to Use and How to Report the Results of PLS-SEM. *European Business Review*, 2019.
- [80] A.R.S.I. Ali, W.D. Dahana, What inhibits consumers in emerging countries from engaging in status consumption? A latent class conjoint analysis approach, *Int. J. Emerg. Mark.* (2020), <https://doi.org/10.1108/IJOEM-02-2021-0223> ahead-of-print No. ahead-of-print.
- [81] N.H. Marmaya, Z. Zakaria, M.N.M. Desa, Gen Y consumers' intention to purchase halal food in Malaysia: a PLS-SEM approach, *Journal of Islamic Marketing* 10 (5) (2019) 1003–1014.
- [82] S.S. Alam, N.M. Sayuti, Applying the theory of planned behaviour (TPB) in halal food purchasing, *Int. J. Commer. Manag.* 21 (1) (2011) 8–20.
- [83] A.M. Bashir, A. Bayat, S.O. Olutuase, Z.A. Abdul Latiff, Factors affecting consumers' intention towards purchasing halal food in South Africa: a structural equation modelling, *J. Food Prod. Market.* 25 (1) (2019) 26–48.
- [84] M.A. Javid, M. Abdullah, N. Ali, S.A.H. Shah, P. Joyklad, Q. Hussain, K. Chaiyasarn, Extracting travelers' preferences toward electric vehicles using the theory of planned behavior in lahore, Pakistan, *Sustainability* 14 (1909) (2022), <https://doi.org/10.3390/su14031909>.
- [85] M.H. Hanafiah, N.A.A. Hamdan, Determinants of Muslim travellers Halal food consumption attitude and behavioural intentions, *Journal of Islamic Marketing* 12 (6) (2020) 1197–1218.
- [86] G. Annweiler, M. Corvaisier, J. Gautier, V. Dubé, E. Legrand, G. Sacco, C. Annweiler, Vitamin D supplementation associated to better survival in hospitalized frail elderly COVID-19 patients: the GERIA-COVID quasi-experimental study, *Nutrients* 12 (11) (2020) 3377.
- [87] F.N. Annisa, I. Nurmala, Influence perceived benefit and perceived self efficacy with intention of adolescent girls in consuming Fe tablet, *Indian Journal of Public Health Research & Development* 9 (4) (2018) 326–329, <https://doi.org/10.5958/0976-5506.2018.00307.8>. Number:.
- [88] M.F. Jayadi, M. Ariyanti, The effect, perceived quality, perceived risk, perceived value, on bag purchase intention in visual, *International Journal of Economics, Business and Management Research* 3 (7) (2019) 41–54.

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Agriculture

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Dr. Dimitrios N. Avtzis

Dr. Dimitrios Avtzis, (FRES-PhD) is Research Director working for 20 years now, in various directions and aspects of Forest Entomology. His expertise lies in the population dynamics, monitoring, control and management of forest insects, with particular focus on bark- and wood-boring insects. Additionally, Dr Avtzis is working on the biological control of native and invasive insect pest species, but also on resolving inter- and intraspecific patterns of genetic divergence of forest insects worldwide. Nevertheless, his passion and enthusiasm for entomology frequently brings him to new, unexplored territories that range from biomimetics and algorithmic expression of insects' ecology to phylogenetic studies. Since 2017 is Deputy of IUFRO WP 7.03.05 "Ecology and management of bark and wood boring insects".



Prof. Athanasios Damialis

Dr. Athanasios Damialis is a multi-disciplinary scientist working for more than 20 years on the fields of plant and fungal ecology, environmental sciences, biometeorology, climate change and environmental health. His particular focus lies on the reproductive biology of plants (flowering phenology, atmospheric circulation of airborne pollen) and on endophytic fungi. He uses an inter-disciplinary research approach with environment-environment interactions and human-environment interactions. This includes mainly those interactions including, but not limited to, the detection of bio-climatic indicators and spatiotemporal patterns of plant, forest and agricultural habitats and ecosystems, in relation to ongoing and simulated climate change. His research goal is to comprehend the responsive ability of organisms under stress conditions, ultimately, attempting to promote sustainable growth and environmental quality.



Prof. Dr. Charlotte Poschenrieder

Dr. Charlotte Poschenrieder is professor in Plant Physiology working for 4 decades in the field of plant nutrition, soil-plant interactions, and plant tolerance mechanisms to adverse soil conditions. Passed and ongoing research focuses on plant responses to trace element toxicity, breeding crops for acid tropical soils and molecular and physiological mechanisms of tolerance to neutral and alkaline salinity. The interaction between plants and microorganisms under adverse soil conditions is a further topic of special interest. Her research target is an integrated view of plant tolerance mechanisms from the molecular genetic level to whole plant performance using experimental approaches that combine the exploration of natural variation with laboratory and field experiments. The ultimate goal is the sustainable production of crops to provide healthy food to the increasing world population.

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Applied Psychology

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Prof. Pablo Ezequiel Flores Kanter

Professor Pablo Ezequiel Flores Kanter is a researcher and professor at the Universidad Siglo 21 and the Universidad Católica de Córdoba, Argentina. His areas of specialization include Psychometrics, Methodology, and Research Ethics. His current research focuses on the study of psychometric properties of measurements in psychology and behavioral sciences, the utilization of mobile applications in mental health, the promotion and assessment of open science practices, and the investigation of suicide and its prevention.



Dr. Pavica Sheldon

Prof. Pavica Sheldon received her PhD in communication studies from Louisiana State University, and currently serves as chair and associate professor in the Department of Communication Arts at University of Alabama in Huntsville. Dr. Sheldon is an author of three books and over 40 journal articles, studying uses and gratifications of social media, and also how people communicate forgiveness in interpersonal relationships.

Biochemistry, molecular biology and cell biology

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Dr. Jesús Espada

Jesús Espada is PhD in Biological Sciences by the Autonomous University of Madrid. Postdoctoral training in top internationally recognized research institutions, including the former Max Planck Institute for Cell Biology, the MRC Human Genetics Unit at the University of Edinburgh and the Spanish National Cancer Center (CNIO). Strong background in molecular, cell and developmental biology oriented to biomedical research in stem cell biology, cancer and molecular oncology, genetic and epigenetics mechanisms of gene expression regulation. Currently, his research lines are focused on the characterization of new mechanisms of skin stem cell regulation with potential therapeutic applications, particularly the physiological functions of ROS involved in the regulation of tissue homeostasis and regeneration and its implications in cancer and ageing.



Prof. Jinrong Min

Dr. Jinrong Min is a Professor in the School of Life Sciences at Central China Normal University, Wuhan, China. His research interests include structural characterization of epigenetic modification-related proteins (writers, readers, and erasers) and their complexes as well as other important proteins implicated in human diseases, and structure-based drug discovery by means of structural biology, chemical biology, proteomics, computational biology, molecular biology, and cell biology.



Prof. Nicola Zambrano

Nicola Zambrano is professor of Molecular Biology at the University of Naples Federico II, and group leader at CEINGE Advanced Biotechnologies, Naples, Italy. He holds a M.Sc. degree in biological sciences and a Ph.D. in biotechnologies, acquired within a joint doctoral program from the Universities of L'Aquila and Naples, Italy. He was a visiting fellow at National Cancer Institute, NIH in Bethesda from 1991 to 1994, and visiting scientist at EMBL in Heidelberg, Germany in 1997. His academic career at the Federico II University in Naples started with an assistant professor position in biochemistry (1996), before being enrolled as an associate professor (2002) and then, as a full professor in molecular biology (2010).

Bioinformatics and computational biology

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Assoc. Prof. Christina Boucher

Dr. Boucher is an Associate Professor in the Department of Computer and Information Science and Engineering at the University of Florida. She has over 140 publications in bioinformatics, with over two dozen of them in succinct data structures and/or alignment. Considering this, she was a keynote speaker for IABD 2019, FAB 2018, RECOMB-SEQ 2016 and the ECCB 2016 Workshop on Pan-Genomics. She is a recipient of a ESA 2016 Best Paper Award. She oversees the development and maintenance of a number of software methods, including Moni, MEGARes and AMRPlusPlus, METAMarc, Vari, VariMerge — and most recently, Moni. In addition, she has built a team of

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collaborators in various biomedical sciences including microbiology, veterinarian medicine, epidemiology, public health and clinical sciences.

In addition, she actively works on increasing the diversity in bioinformatics education. Her efforts include: being a member of the University of Florida's Implicit Bias committee, being a panellist for the NSF-funded ACM BCB 2015 Women in Bioinformatics meeting, serving as a faculty advisor for an ACM-W chapter, and being an active member of the Diversity Committee for over three years. She also received a fellowship from The Institute for Learning and Teaching (TILT) for her course redevelopment and served on the advisory committee for an NSF Research Traineeships Program.

She has been the PC chair for a number of conferences, including SPIRE 2020, RECOMB-SEQ 2019, and ACM-BCB 2018. Most recently, she was nominated to serve on the NIH BDMA Study Section as a Standing Member, and a Board Member of SIG BIO.



Dr. Alexandre G. de Brevern

Trained as a cell biologist, Alexandre G. de Brevern is a structural bioinformatician, and currently serves as a Senior Researcher at the French National Institute for Health and Medical Research (INSERM). His research aims to develop innovative methodologies that are useful for the scientific community with specific application to proteins implicated in diseases and pathologies. He has provided near 20 tools, webservers and databases mainly dealing with the analyses and prediction of protein behaviors, e.g. superimposition of protein structures and prediction of protein flexibility. He uses mainly comparative modelling and molecular dynamics to analyze protein for red blood cells and platelets.



Dr. Daniela Dentico

Daniela Dentico is an independent computational and theoretical neuroscientist with specific research interest in the field of sleep and waking consciousness. She combines a neurophysiological background with specialized cognitive, affective, and computational neuroimaging expertise. Her perspective is the integration of multimodal neuroimaging and physiological measures to shed light on the complex information processing dynamics of brain-body networks. Her research integrity and ethics are paralleled by an active dedication to social projects and spiritual healing.

Business and management

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Prof. Pavlos Delias, PhD

Pavlos Delias is a tenured faculty member at the [International Hellenic University](#), Department of Accounting and Finance. He holds a jointly supervised PhD from both Technical University of Crete and University Paris Dauphine, under a cotutelle agreement. Pavlos Delias has been invited as a visiting Professor in several universities (national as well as international). He has contributed to numerous research projects, focusing on applying the principles of business analytics and operational research to decision support systems design and use. He is also a member of the coordination board of the EURO working group on Decision Support Systems. His research interests are in the areas of business process analytics, business analytics and operational research, and multiple criteria analysis.



Prof. Martin Thomas Falk, PhD

Martin Falk is Professor at the University of South-Eastern Norway (School of Business). His research interests include sustainability and environmental management, tourism and innovation as well as quantitative methods in the field of social sciences. Since 2016 he is visiting professor at the Shanghai Lixin University of Accounting and Finance (School of economics and trade).

Cancer research

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Prof. Anna Lewinska

Anna Lewinska received a PhD in biological sciences from the University of Rzeszow, Poland and a DSc in biological sciences (Habilitation, discipline: biotechnology, specialization: molecular biotechnology) from the Maria Curie-Skłodowska University in Lublin, Poland. She is currently an Associate Professor in the Institute of Biotechnology, College of Natural Sciences, University of Rzeszow, Poland. She is a group leader as a PI of two on-going projects and a co-author of 100+ publications in peer-reviewed journals (total IF 380+, number of citations according to Scopus 1900+, h index =25) and 2 patents. Lewinska's general scientific interests are cancer biology, cellular senescence, nanotoxicology and nano-systems for drug delivery, nutraceuticals, stress responses and epigenetics.



Prof. Neal Run-Ze Li

Li Runze, Professor and Doctoral Supervisor of Guangdong Provincial Hospital of Traditional Chinese Medicine, received his Ph.D in Integrated Chinese and Western Medicine from Macau University of Science and Technology after initial training at the Beijing University of Chinese Medicine. He is an Executive Committee Member of the Specialty Committee on Immunology of Traditional Chinese Medicine of the World Federation of Chinese Medicine Societies, an Executive Committee member of Macau Society of Clinical Oncology, a Member of Chinese Anti-Cancer Association and a member of the Chinese Medicine Health Care Products Professional Committee of the World Federation of Chinese Medicine. His main research interests are basic and clinical research on innovative anti-tumor drugs by integrating traditional Chinese and Western medicine.



Prof. Subhrangsu Mandal

Subhrangsu (Subhra) Mandal received a PhD in Organic Chemistry from the Indian Institute of Science, Bangalore and postdoctoral trainings from the University of Alberta, Canada and University of Medicine and Dentistry of New Jersey, USA. He is currently a Professor of Biochemistry at the Department of Chemistry and Biochemistry, The University of Texas at Arlington. He is member of American Chemical Society, American Society of Biochemistry and Molecular Biology, and American Heart Association. Subhra's research interests are centered on gene expression and regulation, epigenetics, human diseases and drug discovery. In particular, he is investigating the functions of chromatin modifications and noncoding RNAs in regulating gene expression, steroid signaling, inflammation and macrophage activation, lipid homeostasis, cardiovascular diseases, neurological disorders, and cancer. He is also developing novel drugs for the treatment of inflammatory diseases, metabolic diseases, immunotherapy, and cancer.

Cardiology and cardiovascular medicine

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Assoc. Prof. Salvatore Pepe, PhD

Assoc/Prof Salvatore Pepe is Co-Leader of the Heart Research Group – Clinical Sciences, at the Murdoch Children's Research Institute, Royal Children's Hospital Melbourne and Department of Paediatrics, University of Melbourne. With the primary aim to translate research innovation to clinical and surgical practice, his studies have focused on targeting mitochondrial and cellular metabolism, immune response and cardiac remodelling in myocardial injury, cardiomyopathy, heart failure, donor heart management in transplantation, and perioperative complications of cardiopulmonary bypass surgery. Current work is aimed at safe translation of cell therapy protocols to augment cardiac intervention outcomes in congenital and acquired heart conditions. He is a co-principal investigator of first-in-human clinical safety trials of cord blood cell therapy in neonates and children undergoing cardiopulmonary bypass operation interventions.

Chemical engineering

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Prof. Bart Van der Bruggen

Bart Van der Bruggen received his PhD in chemical engineering from KU Leuven in 2000. He currently works as full professor at KU Leuven (Belgium) and extraordinary professor at Tshwane University of Technology (South Africa). He has vast experience as an editor for various journals and is also a very active author and reviewer, with over 600 publications, cited more than 25,000 times. His expertise is in separation processes in classical and non-classical chemical engineering applications, with a focus on membrane science and technology.

Chemistry

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Prof. Boris-Marko Kukovec

Boris-Marko Kukovec is the Assistant Professor of Physical Chemistry at the Faculty of Chemistry and Technology, University of Split, Croatia, and the Head of Department of Physical Chemistry at the same institution. He received his Ph. D. in Inorganic and Structural Chemistry at the Faculty of Science, University of Zagreb, Croatia, and carried out post-doctoral work at the University of Cape Town, South Africa, the New York University Abu Dhabi, the United Arab Emirates, and the Faculty of Science, University of Zagreb, Croatia. His research interests include synthesis and characterization of coordination polymers, crystal engineering, coordination chemistry and chemical crystallography.

Clinical psychology and psychiatry

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Assoc. Prof. Heng Choon Oliver Chan

Dr. Heng Choon (Oliver) Chan received his Ph.D. in Criminology from the University of South Florida, FL, USA and M.A. in Forensic Psychology from Marymount University, VA, USA. He is currently an associate professor of criminology in the Department of Social and Behavioral Sciences at City University of Hong Kong, Hong Kong, SAR. Dr. Chan has published six academic books, with three as the sole-authored monographs on sexual homicide and Asian sexual offending and lead co-edited three reference books on the psycho-criminological aspects of different crime and criminal justice topics (i.e., Asian criminal justice, global stalking behavior, and African mental health and the criminal justice system). Besides, he has published over 100 peer-reviewed journal articles and books chapters, and presented at numerous international academic and field conferences.

Clinical research

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Assoc. Prof. Hamad Ali, PhD

Dr. Hamad Ali is a distinguished Associate Professor of Genomic Medicine at Kuwait University's Health Sciences Center and the Dasman Diabetes Institute, with a concurrent role in the Nephrology Division at Mubarak Al-Kabeer Hospital in Kuwait. He completed his Bachelor of Sciences in Molecular Genetics at The Ohio State University in 2005, followed by an MSc and PhD in Medical Genetics from Newcastle University, UK, in 2007 and 2011, respectively.

Renowned for his research in chronic kidney disease, particularly autosomal dominant polycystic kidney disease (ADPKD) and diabetic nephropathy, Dr. Ali has made significant strides in improving genetic diagnosis and treatment approaches. His also participated in collaborative efforts which led to the identification of the third most common gene, IFT140, associated with ADPKD, enhancing understanding of the disease's pathogenesis.

Dr. Ali's exploration of ADPKD's genetic landscape in Kuwait revealed that while the majority of cases could be genetically diagnosed, a significant portion remains unsolved, underscoring the complexity and heterogeneity of the disease. He advocates for enhanced genetic testing pipelines to improve ADPKD diagnosis and patient care.

As an educator, Dr. Ali is committed to advancing genomic medicine through teaching and mentoring, impacting both the scientific community and patient outcomes with his contributions to medical genetics and nephrology.



Assoc. Prof. Dina Greene, PhD

Dina Greene, PhD, DABCC, is a Clinical Associate Professor in the Department of Laboratory Medicine and Pathology at the University of Washington and Associate Laboratory Director for the digital health company LetsGetChecked. Dr. Greene serves on several committees and working groups for organizations including the Association for Diagnostic Laboratory Medicine (ADLM), College of American Pathology (CAP), and the International Federation of Clinical Chemistry (IFCC). She has served in various editorial roles for almost 10 years and has a passion for improving quality in the peer-review process. Dr. Greene has published over 100 scientific papers and is internationally recognized for her work on gender inclusive laboratory medicine. Her clinical research studies explore the application and effects of laboratory diagnostics, with an emphasis on how social demographics impact clinical outcomes. In line with her clinical focus, Dr Greene is passionate about designing operational strategies for more inclusive laboratory medicine.



Prof. Andrzej Grzybowski, MD, PhD, MBA

Andrzej Grzybowski, M.D., Ph.D., MBA, MAE, EVERf is a Professor of Ophthalmology, University of Warmia and Mazury, Olsztyn, Poland; Head of Institute for Research in Ophthalmology, Foundation for Ophthalmology Development, Poznan, Poland.

He is active in international scientific societies including Euretina (Co-opted Board member 2016-2018), President of European Vision & Eye Research Association (EVER), ESCRS (curator of ESCRS Archive), and ISRS (member of the ISRS International Council), International Intraocular Implant Club and Cogan Society. He became a lifelong member (chair LIV) of the European Academy of Ophthalmology (<https://eao-academy.eu>) and its Treasurer, and a member of [the Academia Europea](#).

As the only Polish ophthalmologist he was included in the TOP 2% ranking of world-best scientists prepared by Stanford University for 2019 and 2020. Expertscape worldwide ranking: No 1 in cataract field and No 1 in cataract extraction field; No 3 in endophthalmitis field. In 2021, he received International Society for Refractive Surgery Founders' Award. Listed on the "The Power List" by The Ophthalmologist magazine, a ranking of the Top 100 most influential people in [the world of ophthalmology](#).



Prof. Yi Ji, MD, PhD

Dr. Yi Ji is a director and professor in Division of oncology, Department of Pediatric Surgery at the West China Hospital of Sichuan University in Chengdu, China. He received his MD from the Sichuan University. He received his PhD from Fudan University, Shanghai, China. His research is focused on the pathogenesis of vascular anomalies and pediatric solid tumors. His clinical interests are vascular anomalies, pediatric solid tumors, and pediatric critical care medicine.



Dr. Avril Mansfield, R.Kin, PhD

Avril Mansfield received a BSc in Sport and Exercise Science and MSc in Biomedical Engineering from the University of Limerick, Ireland, and PhD in Medical Science from the University of Toronto, Canada. She is also a Registered Kinesiologist. She is appointed as a Senior Scientist at KITE-Toronto Rehabilitation Institute, University Health Network, and is cross appointed as an Associate Professor in the Department of Physical Therapy at the University of Toronto, and Affiliate Scientist with the Hurvitz Brain Sciences Program, Evaluative Clinical Sciences, Sunnybrook Research Institute. Her research aims to improve safe independent mobility among older adults and people with neurological injury and disease by improving balance control, reducing falls and injury risk, and increasing participation in exercise and physical activity. Her work spans basic research in motor control and motor learning, clinical trials, and implementation.



Prof. Biswadev Mitra, MBBS, MHlthServMt, PhD, FACEM

Prof Biswadev Mitra is the Director of Emergency Medicine Research at Alfred Health and a Consultant Emergency Physician. He is a member of the Clinical Reference Group for The National Blood Authority, Australia and serves on the Australian Red Cross Lifeblood advisory committee.

Professor Mitra has extensive experience in clinical research projects, with a focus on acute trauma resuscitation using blood and blood components. Professor Mitra is extensively involved in multicentre, international collaborative research projects with key focus areas of innovative management of patients at risk of acute traumatic coagulopathy, alcohol and other drug use among injured patients and evaluation for concussion, including identification of novel biomarkers.



Dr. Francesca Trovato

Francesca Trovato is a specialist in internal medicine who trained and received her PhD in Translational Biomedicine from the University of Catania in Italy with main interests in hepatology, nutrition and abdominal imaging. She is currently working as Clinical Research Fellow at the Liver Intensive Care of King's College Hospital in London UK gaining extensive expertise in liver immunology and metabolomics, liver transplantation and acute liver failure syndromes.

Current main research topic are immune dysfunction in liver failure, immunometabolism, sepsis, lipidomics, liver imaging including elastography, hepatic encephalopathy and transcranial doppler.



Prof. Dr. Zhanqi Zhao

Dr. Zhanqi Zhao obtained his PhD from Ludwig Maximilian University of Munich and currently serves as a full-time Professor in the Biomedical Engineering department at Guangzhou Medical University, China. In addition, he holds the position of adjunct professor at Peking Union Medical College Hospital and acts as a clinical consultant for various prestigious international medical companies.

Dr. Zhao brings a wealth of experience in clinical research endeavors, specializing in fields such as medical imaging, ventilator-induced lung injury, lung protective ventilation strategies in the intensive care units, thorax applications of electrical impedance tomography (EIT), and pulmonary function testing. He has an extensive publication track record, having authored over 130 papers in SCI journals, and has overseen the majority of EIT-related clinical studies conducted in China.

Computer science

Meet the full editorial team for [Heliyon Computer science](#).



Assoc. Prof. Jonathan H. Chan

Assoc. Prof. Jonathan H. Chan is an associate professor of computer science and a co-founder of D-Lab at the School of Information Technology, King Mongkut's University of Technology Thonburi, Thailand. Jonathan holds a Ph.D. from the University of Toronto, where he has also served as a visiting professor. In addition to his role as the section editor of *Heliyon Computer science*, Dr. Chan is an action editor of *Neural Networks*, and a member of the editorial boards of *International Journal of Machine Intelligence and Sensory Signal Processing*, *International Journal of Swarm Intelligence*, and *Proceedings in Adaptation, Learning and Optimization*.

Dr. Chan is a founding member and a current VP of the IEEE-CIS Thailand Chapter, and a senior member of IEEE, ACM, and INNS, a member of the Professional Engineers of Ontario (PEO), and a governing board member of APNNS. He also holds an NVIDIA Deep Learning Institute (DLI) University Ambassadorship and is a certified DLI instructor. His research interests include intelligent systems, biomedical informatics, and data science and machine learning in general.



Assoc. Prof. Joana Dias, PhD

Joana Matos Dias holds a BSc in Computers Engineering (University of Coimbra, 1996), a MSc in Operations Research (University of Lisbon, 2000), a MSc in Quantitative Finance (University of London, 2011), a PhD and Habilitation in Management Science (University of Coimbra, 2006, 2017). She is Associate Professor with Habilitation at the Faculty of Economics of the University of Coimbra. Her primary research interests are optimization models and algorithms applied in decision-making, especially considering multiobjective optimization, robust optimization and the development of nature-inspired heuristics. She works in interdisciplinary fields, joining together computer science, operations research and artificial intelligence in general in diverse application areas: logistics, finance, healthcare, among others.



Assoc. Prof. Weizhi Meng, PhD

Dr. Weizhi Meng is currently an Associate Professor in the Department of Applied Mathematics and Computer Science, Technical

University of Denmark (DTU), Denmark. He obtained his Ph.D. degree in Computer Science from the City University of Hong Kong (CityU). In addition to his role as the Section Editor of *Heliyon Computer Science*, Dr. Meng is Associate Editor in *IEEE Transactions on Dependable and Secure Computing* and *IEEE Transactions on Information Forensics and Security*.

Dr. Meng was a recipient of the Hong Kong Institution of Engineers (HKIE) Outstanding Paper Award for Young Engineers/Researchers in both 2014 and 2017, and received the IEEE ComSoc Best Young Researcher Award for Europe, Middle East, & Africa Region (EMEA) in 2020. His primary research interests are blockchain technology, cyber security and artificial intelligence in security. He is currently directing the SPTAGE Lab at DTU.

Dentistry

Meet the full editorial team for [Heliyon Dentistry](#).



Gaetano Isola, PhD

Dr. Gaetano Isola qualified in Dentistry at the University of Messina, Italy and obtained his PhD in "Physiopathology of the Stomatognathic Apparatus and Dental Materials" at the University of Turin, Italy. He is a visiting research fellow at the Laboratory of the Study of Calcified Tissues and Biomaterials at the Department of Periodontology, Université de Montréal, Canada. Dr. Isola did an advanced course in periodontology at the University of Ferrara and a 3-year certificate in oral surgery at the University of Naples "Federico II." He is a visiting Professor at the Department of Periodontology, University of North Carolina at Chapel Hill, USA and at the Department of Oral Surgery, University of Granada, Spain. He is also a visiting researcher at the Department of Implantology and Oral Surgery, University of Bern, Switzerland, and the Department of Periodontology, Eastman Dental Institute, London.

Dr. Isola is an active member of the Italian Society of Oral Surgery (SIdCO) and of the International Piezoelectric Surgery Academy (IPA). He serves on the board of the International Association of Dental Research (IADR) and is a member of the Italian Society of Periodontology (SIdP), as well as an active member of the International IADR Constitution Committee of the International Association of Dental Research (IADR) (2016–2019 and 2019–2022).

His main research interests focus on the clinical, biological, and pharmacological aspects of periodontitis, and the relationship between oral health and systemic health and the pre-neoplastic disorders.



Assoc. Prof. Marina da Rosa Kaizer, BDS, MS, PhD

AProf. Kaizer qualified in Dentistry in 2004, followed by extensive clinical practice experience in general and restorative dentistry. Alongside, she completed a Clinical Postgraduation in Operative Dentistry in 2009, a Master's degree in Dental Sciences with emphasis in Prosthodontics in 2010, and was awarded her PhD degree in Dental Materials in 2015. All the above qualifications obtained in fully accredited universities in Brazil. As part of her PhD program, she spent over a year as a visiting research scholar in the Biomaterials Department at New York University College of Dentistry, USA. Following her PhD degree, she completed a Postdoctoral Research Training in Materials Science and Engineering in Brazil (2016); and was then appointed Professional Research Scientist back in the Biomaterials Department at New York University College of Dentistry, USA. Since 2019, AProf. Kaizer is an Associate Professor in Restorative Dentistry at Universidade Positivo (Brazil). Then in 2023, she relocated to Australia to join Charles Sturt University.

AProf. Kaizer's research focus is the wear, fatigue, fracture mechanics and optical and bonding properties of various restorative dental materials for direct and indirect applications, with a strong interest in CAD/CAM and other technologies with applications within Digital Dentistry.

Dermatology

The editorial team for *Heliyon Dermatology* is part of [Heliyon Clinical Research](#).

Developmental and Stem Cell Biology

Meet the full editorial team for [Heliyon Developmental and Stem Cell Biology](#).



Prof. David Hay, PhD

Dave is Professor of Tissue Engineering at the University of Edinburgh. He gained his PhD from the University of St Andrews in 2000. Following this, he undertook post-doctoral projects at Roslin Institute and the University of Edinburgh, before starting his group at the Centre for Regenerative Medicine in 2008. Dave has worked in the field of stem cell biology and differentiation for over 20 years. He and his team have highlighted the important role that pluripotent stem cells have to play in modelling human biology 'in the dish' and supporting failing liver function in vivo. The impact of this work has led to a number of peer-reviewed publications (>100), granted patents, regular appearances at high profile conferences and the formation of start-up companies.

Ear, Nose, Throat

The editorial team for *Heliyon Ear, Nose and Throat* is part of [Heliyon Clinical Research](#).

Earth science

Meet the full editorial team for [Heliyon Earth science](#).



Prof. Andrew S. Hursthouse

Professor Hursthouse is a professor of environmental geochemistry at the University of the West of Scotland (UWS) and holds a Ph.D. in environmental radioactivity from University of Glasgow and a B.Sc. degree in geochemistry from University of Reading. He holds a 100 talent high-end expert fellowship at Hunan University of Science & Technology, Xiangtan, PRC. He has editorial roles in several earth and environmental science journals and has worked in academic and industrial research environments.

Professor Hursthouse's areas of interest and expertise are in earth process interactions and the environmental geochemistry of metallic elements, resource exploitation and implications for human health, and this approach also applied to environmental pollution, industrial processes, economic development and society; remediation and treatment of chemical pollution; chemical and environmental hazards, waste and environmental management and regulation.

Economics

Meet the full editorial team for [Heliyon Economics](#).



Prof. Luigi Aldieri, PhD

Luigi ALDIERI is Full Professor of Economics at the Department of Economic and Statistical Sciences of University of Salerno. He holds a PhD in Sciences Economiques et de gestion at the Solvay Business School of Economics and Management (SBS-EM) of Université Libre de Bruxelles (ULB). His research interests embrace Applied Econometrics, the measurement of knowledge, geographic spillovers and economic performance of large international firms. In the 2% Top cited scientists in the world in Economics, Environmental Sciences, Economics & Business (Stanford University, Elsevier).



Assoc. Prof. Eugene Ezebilo, PhD

Eugene Ezebilo is an Associate Professor of Economics. He received his PhD in Economics from Swedish University of Agricultural Sciences, Sweden. He is currently the Deputy Director for Research at the National Research Institute, Port Moresby in Papua New Guinea. He is a guest lecturer at the University of Papua New Guinea where he teaches two courses (Global Economic and Policy Issues; and Papua New Guinea Economic and Policy Issues) in the Master of Economics and Public Policy program. He is the coordinator of the Social Science Research Methods course at the National Research Institute and teaches Quantitative Research Methods and Data Collection Methods in the course. Eugene has served as a supervisor and an examiner for several post-graduate theses in several countries such as Sweden, Italy, Papua New Guinea, Trinidad and Tobago and New Zealand. In the past ten years, Eugene's research has focused primarily on the economic value of ecosystem goods and services, multifunctional land use, natural resource management, housing policy and economic development. His academic career started at Swedish University of Agricultural Sciences as a Post-Doctoral Researcher in Environmental and Natural Resource Economics, followed by an Assistant Professor in Economics and Planning from the same university, where he later became an Associate Professor of Economics. His research interests are in environmental and resource economics, housing economics and policy, land use planning, sustainable development and economic development.



Prof. Dr. Evan Poh Hock Lau, PhD

Evan Lau, Deputy Dean of Research and Commercialization at Faculty of Economics and Business, Universiti Malaysia Sarawak (UNIMAS), is renowned for his expertise in International Economics, Applied Econometrics and Socioeconomics. Notably, he was twice selected for the World Class Professor (WCP) program by the Ministry of Education and Culture in Indonesia and appointed as a Visiting Research Fellow for the Central Bank of Malaysia in May 2021. With prestigious visiting positions at University of Cambridge and Indonesian universities, he boasts an impressive publication record of 109 journal articles, along with securing 35 research grants. His accolades include the Young Researcher Award, Highest-Impact Journal Paper Award. Evan speaks at international conferences including Indonesia, UAE, Sri Lanka, Italy, India, Philippines, China, and Malaysia. He ranks among the Top 9% economists in Malaysia and ASEAN. His commitment to research excellence and academic leadership is highlighted by his significant contributions, bringing sustainable impact to both academia and the wider community.



Dr. Phuc-Canh Nguyen

Dr. Canh is Senior Lecturer at School of Public Finance and Senior research fellow at Health and Agricultural Research Institute, College of Economics, Law and Government, UEH University, Vietnam. He received his B.A and M.A in Banking and Finance, and PhD in Economics from UEH as the top graduate. He has worked as Postdoctoral Research at RMIT University in 2019. He was also Research Fellow at Leicester Institute of Advanced Studies (LIAS), University of Leicester (UK) from 2020Feb to 2020May. His research is applied economics, whereas he focuses on interdisciplinary approach with the aim at the 17 Sustainable Development Goals. Specifically, the topics are among macroeconomic policies (monetary policy and fiscal policy), institutional economics, environmental economics, energy economics, ecological economics, tourism economics. Dr Canh has been named in the 2% Top cited scientists in the world in Economics in 2023 (Stanford University, Elsevier).



Assoc. Prof. Avik Sinha, PhD

Dr. Avik Sinha is an Associate Professor with Economics & Public Policy area at Management Development Institute Gurgaon, India. He is Fellow in Economics from Indian Institute of Management Indore, PGDM from Institute for Technology and Management Mumbai, and BE from National Institute of Technology Durgapur. He has published several papers in reputable journals across the world. He has been featured under the "Top 2% Scientists List" published by Stanford University. He is the winner of Clarivate "India Research Excellence - Citation Awards 2023". His research interests include Energy and Environmental Economics, Sustainable Development, and Applied Econometrics. He is now working in policy research for attaining the Sustainable Development Goals (SDGs), with a special focus on SDG 13, SDG 7, and SDG 8. On the methodological front, he is presently working on advanced quantile modeling, decomposition-based inequality assessment, and co-movement analysis.

Education

Meet the full editorial team for [Heliyon Education](#).



Prof. David González-Gómez

Heliyon Education is led by Section Editor David González-Gómez, Ph.D. Dr. González-Gómez is a Professor in the Department of Science and Mathematics Education and the Dean of the Teaching Trainer School at the University of Extremadura (Spain). Dr. González-Gómez is known internationally for work in science education; science, technology, engineering, and mathematics (STEM); active learning methodologies for teaching science; affective domain in the science learning process; education for the sustainability; SDGs. Currently, he is an advisory council of the Science, Technology, and Innovation of Extremadura government in Spain.



Em. Prof. Dilin Liu

Dilin Liu, Ph.D. Dr. Dilin Liu is Professor Emeritus of Applied Linguistics/TESOL (Teaching English to Speakers of Other Languages) in the English Department at the University of Alabama, U.S.A. Dr. Liu is internationally known for work in English language learning/teaching; cognitive linguistics-inspired and corpus-based description and teaching of grammar and vocabulary; second language teacher education. He has been serving or served on the editorial boards of a dozen well-known international journals in applied linguistics/language education, including *English Language Teaching Journal*, *International Journal of Lexicography*, *Journal of English for Academic Purposes*, *Lingua*, *System*, *TESOL Journal*, and *TESOL Quarterly*.



Prof. Tova Michalsky

Tova Michalsky, Ph.D. Dr. Tova Michalsky is a Professor in the Faculty of Education and the head of Teacher Training at the University of Bar-Ilan (Israel). Dr. Tova Michalsky is known internationally for work in science education; Students' development of self-regulated learning for diverse learners in diverse science and technology contexts; Promotion of teachers' pedagogical knowledge to effectively teach self-regulation in learning; Design of valid comprehensive assessments to measure teachers' and students' parallel self-regulated learning processes. Currently, she is a coordinator of the European Association for Research on Learning and Instruction (EARLI) SIG 11- Teaching and Teacher Education.

Emergency Medicine

The editorial team for *Heliyon Emergency Medicine* is part of [Heliyon Clinical Research](#).

Endocrinology

The editorial team for *Heliyon Endocrinology* is part of [Heliyon Clinical Research](#).

Energy

Meet the full editorial team for [Heliyon Energy](#).



Dr. Socrates Kaplanis

Prof. Socrates Kaplanis obtained his degree in physics from University Thessaloniki, a MSc in nuclear reactors from Aston University, and a PhD in radiation detection and modelling from the University Patra. He has held academic positions including professor of renewable energy systems at the Technological Educational Institute of Patra, head of the renewable energy systems laboratory, honorary professor and doctor honoris causa at the Transylvania University in Brasov, and as a visiting professor at the University of Applied Sciences in Aachen, Germany.

Prof. Kaplanis has a research background in solar radiation, prediction modelling, zero and intelligent energy buildings, PV systems engineering, solar thermal engineering, and PV based hybrid systems. He has held various posts, including president of the Technological Educational Institute of Patra, president of the Technological Educational Institute of Western Greece, and vice-president and President of the European Institutions in Higher Education (EURASHE).



Prof. António C Marques

Prof. António Cardoso Marques obtained his degree in Economics from the Technical University of Lisbon, a Ph.D. Economics from the University of Porto and the Aggregation in Economics from the University of Beira Interior (Portugal). He is Full Professor of industrial economics, competition and regulation and energy economics. He has extensive experience in research and teaching, and he has held diverse academic positions such as member of the Scientific Council of the Faculty of Social Sciences and Humanities - University of Beira Interior, and coordinator of the Doctoral Program in Economics.

Prof. Marques has published in the international leading journals, and he has been on scientific project review boards around the world. For the third consecutive year, Prof. Marques is named in the world's top 2 per cent of the most-cited scientists from the Stanford University ranking list. He has a research background in energy and environmental economics, energy transition and economic growth, peak pricing strategies, demand side management and circularization, being an assiduous commentator in the media on energy economics issues. He was coordinator of the Economics & Finance research area of Research Centre of Business Sciences (NECE), sponsored by the Portuguese Foundation for the Development of Science and Technology. He holds various posts, including Vice-President of the Portuguese Association of Energy Economics, which is an affiliated of The International Association of Energy Economics. He also develops volunteer work, being president of a private institution of social solidarity.

Engineering

Meet the full editorial team for [Heliyon Engineering](#).



Dr. Susana Lopez-Querol

Dr. Susana Lopez-Querol received her MEng in Civil Engineering from the Technical University of Madrid, and her PhD in Geotechnical Engineering from the University of Castilla La Mancha, in Spain. She is an Associate Professor in Geotechnical Engineering at UCL since 2015. Her main research interests are advanced numerical analysis in geotechnical engineering, ground improvements, soil dynamics and geotechnical earthquake engineering.



Prof. Andrea Francesco Morabito

Professor Andrea Francesco Morabito received his Ph.D. in computer, biomedical, and telecommunications engineering from the University of Reggio Calabria, Italy, where he has also served as an assistant professor in electromagnetic fields since 2010. His research work is mainly focused on models and effective strategies for the solution of inverse problems, in particular, antenna synthesis, phase retrieval, and electromagnetic inverse scattering.



Prof. Mohammad Mehdi Rashidi

Professor Mohammad Mehdi Rashidi received his Ph.D. in mechanical engineering from Tarbiat Modares University, Iran. He is currently a professor of mechanical engineering at Tongji University in Shanghai, China, and previously taught at Bu-Ali University in Iran. Prof. Rashidi was named a 2018 highly cited researcher by Clarivate Analytics.

Environment

Meet the full editorial team for [Heliyon Environment](#).



Prof. Frederic Coulon

Professor Frederic Coulon holds a chair in Environmental Chemistry & Microbiology at Cranfield University, UK. In addition to his position as section editor for *Heliyon Environment*, Prof. Coulon is an associate editor for *Environment International* and *Science of the Total Environment*. His professional interests include: soil and water chemistry; fate and transport of chemicals in surface and subsurface waters; water and wastewater treatment; soil and sediment treatment; hazardous waste site remediation; energy and environment; population and environment; and public communication of environmental science and engineering. His research achievements address international priorities under the umbrella of the Water-Soil-Waste nexus across sectors and scales. His work is premised on the understanding that environmental resources are inextricably intertwined and therefore there is a need of advancing a nexus approach to enable integrated and sustainable management of water, soil and waste systems.



Prof. Christian Sonne

Professor Christian Sonne, DVM, PhD, DScVetMed, Dipl. ECZM-EBVS, holds a professorship in veterinary ecotoxicology and wildlife

medicine at Aarhus University, Denmark. In addition to his position as section editor for *Heliyon Environment*, Prof. Sonne serves as special issues editor for *Environmental Pollution*. Since 1997, Prof. Sonne has specialized in the cross-field of biological effects from exposure to environmental chemicals, diseases and climate change, giving him a unique insight and profile working with a broad range of animals including predatory mammals, raptorial birds, sea birds, fish and humans. He has a broad insight and interest in internal and reproductive organs (histopathology, size, and morphology), skeletal system (bone density and morphology using e.g. DXA scanning), immune system (intra dermal testing of lymphocyte functioning, immune globulin production and cytokine and APP expressions), endocrine system (steroid and peptide hormones), PBPK modelling, blood biochemistry and infectious diseases (zoonosis). Prof. Sonne uses his global network to obtain interdisciplinary research results. Since 2015, he has applied his in-depth knowledge and understanding of biological processes to also include specific un-solved wildlife issues in Denmark (eider duck population declines) and health of raptors. Recently his innovative approaches have led to the first interactions with private industry focusing on natural resources developments and translational medicine within insulin, osteoporosis and metabolic syndrome. Prof. Sonne also specializes in surgical field implantations of intra-coelomic (abdominally) and subcutaneously satellite transmitters (PTTs) in various sea bird species and immobilization of deer spp.



Prof. Admir Créso Targino

I am an atmospheric scientist with experience in personal exposure to toxic airborne substances, and urban air quality and climate. I received a PhD degree in Atmospheric Sciences from Stockholm University (Sweden) and held postdoctoral positions at the University of York and University of Manchester (UK). My research focuses on short-lived climate pollutants, long-range transport of air pollution, and aerosol measurement techniques. I also use big data analysis to bridge urban environmental data with machine learning techniques.

Evolution and ecology

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Finance

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Prof. Adel Sarea, PhD

Prof Adel Sarea is a Professor at Ahlia University in the Kingdom of Bahrain. Prof. Sarea serves on the editorial teams of several international journals. His profile embodies a dedication to academic research, impactful teaching, and leadership within the accounting and finance community. He has published his research in peer-reviewed academic journals indexed in Scopus, SSCI, ESCI, ABDC, and ABS, and has received many awards and been invited to be a keynote speaker on several occasions.



Dr. Larisa Yarovaya, PhD

Dr Larisa Yarovaya is an Associate Professor of Finance, and Deputy Head of Centre for Digital Finance at the Southampton Business School, University of Southampton, UK. Larisa is a researcher in International Finance and Financial Technologies (Fintech), with specialism in interconnectedness between financial markets, contagion and spillover effect, diversification, hedging and safe haven properties of new markets, including cryptocurrencies, green, and Islamic assets. She has published her research in peer-reviewed academic journals and is an associate editor of the *International Review of Financial Analysis*, *Journal of International Financial Markets Institutions and Money*, *Emerging Markets Review*, and *Data-in-Brief*. Larisa is the Chair and Organizer of the annual Cryptocurrency Research Conference (2018-current).

Food science and nutrition

Meet the full editorial team for *Heliyon Food science and nutrition*.



Dr. Lilian Mariutti

Dr. Lilian R. B. Mariutti received her master and doctorate degrees in food science from the School of Food Engineering - University of Campinas, Brazil, where she currently has a position as assistant professor. She was a researcher fellow in the Laboratory of Veterinary Drug Residues of the Brazilian Ministry of Agriculture, Livestock and Food Supply. Her research focuses on the identification and bioaccessibility of bioactive compounds and lipids and design of food ingredients from non-conventional sources.



Prof. Juscelino Tovar

Juscelino Tovar holds a degree in Biology from Central University (Venezuela) and a PhD in Applied Nutrition from Lund University (Sweden). Former Professor of Biochemistry and Nutrition (Central University), Dr. Tovar is currently affiliated with the Division of Food and Pharma, Lund University. He has a background in chemical and nutritional aspects of food carbohydrates and ample experience in the clinical evaluation of functional foods. Tovar has interest in the potential preventive action of the diet against cardiometabolic diseases. He has designed antiinflammatory regimes based on multiple functional food concepts, aiming to reduce the risk for type 2 diabetes and

cardiovascular diseases. He is also interested in the modulation of disease-risk factors associated with metabolic responses to real-life meals. Dr Tovar has authored 110+ peer-reviewed articles in the fields of antinutritional factors in plant foods, dietary fiber, starch bioavailability, food polyphenols, functional foods, and disease-preventive diets. He has also played different scientific editorial roles.

Gastroenterology

The editorial team for *Heliyon Gastroenterology* is part of [Heliyon Clinical Research](#).

Genetics

Meet the full editorial team for [Heliyon Genetics](#).



Assoc. Prof. Qiang Wu, PhD

Dr. Qiang Wu is an associate professor in the State Key Laboratory of Quality Research in Chinese Medicine, Macau University of Science and Technology. He obtained his Ph.D degree from National University of Singapore in 2003. He then received his postdoc training in Genome Institute of Singapore (Mentor: Prof Huck Hui Ng) and the Gurdon Institute, University of Cambridge (mentor: Prof Magdalena Zernicka-Goetz). He went back to National University of Singapore as an assistant professor in 2009. He joined Macau University of Science and Technology in 2017.

Dr. Wu's research interest is to study how genetic and epigenetic factors determine stem cell fates and regulate cancer progression with a combination of molecular, cellular and high throughput approaches.



Dr. Hufeng Zhou, PhD

Dr. Hufeng Zhou is an Instructor (Junior Faculty Member) at Harvard Medical School and Research Scientist in Harvard T. H. Chan School of Public Health with more than 15 years of expertise in exploring fundamental epigenetic mechanisms of EBV-associated cancers using Next-Generation Sequencing technologies. He is world-renowned for his expertise in human genetics, particularly in rare variant association studies, functional annotation of human genetics variants, and quality control of super large scale of whole genome/exome sequencing studies. Dr. Zhou's broad research interests also involves investigating the regulatory effects of EBV super-enhancers through non-coding RNA and long-range interactions, using 3D genomics and functional information to identify disease-related variants, and applying machine learning strategies to clinical data. Additionally, he has years of research experience in protein-protein interactions, pathway data integration and analysis, human-microbiome metagenomic data analysis, and software and database development.

Haematology

The editorial team for *Heliyon Haematology* is part of [Heliyon Clinical Research](#).

Hepatology

The editorial team for *Heliyon Hepatology* is part of [Heliyon Clinical Research](#).

Immunology

Meet the full editorial team for [Heliyon Immunology](#).



Mats W. Johansson, PhD

Dr. Mats W. Johansson received his PhD degree in biology within the research field of invertebrate immunology/innate immunity at Uppsala University, Sweden; was a postdoctoral fellow in cell biology at the Sanford Burnham Prebys Medical Discovery Institute, La Jolla, California, USA; and was then Assistant and Associate Professor, and Director of Studies of Biology at Uppsala University. He is currently Scientist III and Research Professor (honorary) at the Division of Allergy, Pulmonary and Critical Care Medicine of the Department of Medicine, University of Wisconsin-Madison. Since coming to Madison he has primarily done research on eosinophil biology and asthma.



Shushun Li, MD, PhD

Received medical degree from Qingdao Medical College, Qingdao, China and Ph.D. degree in immunology from Umeå University, Umeå and Karolinska Institute, Stockholm, Sweden. Was a postdoctoral research fellow in Cincinnati Children's Hospital Medical Center, Cincinnati, USA and postdoctoral fellow and research scientist in the University of Calgary, Canada. Key research areas include natural killer cell immunology, fungal immunology, cytotoxicity and receptor-ligand interactions.

Infectious diseases

Meet the full editorial team for [Heliyon Infectious diseases](#).



Prof. Keertan Dheda, PhD

Professor Keertan Dheda is a hospital-based general physician, pulmonologist, and a critical care specialist who heads up the Division of Pulmonology at Groote Schuur Hospital and the University of Cape Town. He is a South African National Research Foundation 'A'-rated clinician scientist and has professorial appointments at the University of Cape Town and the London School of Hygiene and Tropical Medicine. He serves on several national and international academic and advisory bodies, including the editorial boards of the American Journal of Respiratory and Critical Care Medicine and Lancet Respiratory Medicine.



Prof. Kevin Laupland, MD, PhD

Professor Laupland received his medical degree (Honours) from the University of Toronto then completed subsequent training in Calgary, Canada. He is certified in Internal Medicine, Infectious Diseases, and Critical Care Medicine. He developed an active research program and practiced within these disciplines in Calgary and Kamloops, Canada, before relocating to Brisbane, Australia where he is currently appointed Professor and Director of Research, Intensive Care Services, Royal Brisbane and Women's Hospital Queensland University of Technology. He is a Fellow of the College of Intensive Care Medicine of Australia and New Zealand and earned his PhD from Griffith University in 2020. Research activities have centred around the disciplines of infectious diseases and intensive care, with a focus on investigating the determinants and outcomes of bloodstream infections at the population level.



Assoc. Prof. Alessandro Russo, MD

Prof. Alessandro Russo is an Associate Professor of Infectious Diseases at "Magna Graecia" University of Catanzaro, Italy. He has a recognized expertise in diagnosis, management, and therapy of nosocomial infections, with a focus on multi drug-resistant pathogens. He participated as a co-investigator in national and international clinical studies on anti-infective agents, and has published several studies on MDR infections, septic shock, PK/PD of antimicrobials, endocarditis, bacteremia, pneumonia, and other areas of interest within Infectious Diseases. He is the author of original articles published on leading journals of infectious diseases and clinical medicine. He serves on several national and international academic and advisory bodies and is a member of the national board of SITA (Italian Society for Antimicrobial Therapy).

Information science

Meet the full editorial team for [Heliyon Information science](#).



Dr. Bilal Abu-Salih

Bilal is an Associate Professor at the University of Jordan and an Adjunct at Curtin University. He holds a Ph.D. in Information Systems (with a focus on Social Big Data Analytics) from Curtin University. Bilal's research interests include; Data Science, Social Big Data, Semantic Analytics, NLP, and the like. Bilal worked with cross-disciplinary funded research projects that are related to data analytics, machine learning, data mining of social media, big data analysis etc. Those projects involve academic research, software development, and industrial implementation.



Prof. Gregorio González Alcaide

Gregorio González-Alcaide (PhD) is a full Professor at the Department of the History of Science and Library & Information Sciences, at the University of Valencia.

Dr. González Alcaide teaching activities include Bibliometrics, skills in writing and academic communication and processes for evaluating research activities. He has also worked to raise awareness on the importance of academic honesty, to discourage behaviors like plagiarism and to foster respect for the ethical principles that must guide the research and publication process.

His main line of research has focused on the study of scientific collaboration by means of Bibliometrics and social network analysis as research methodologies. His studies have aimed to determine the extent of cooperative practices, structural properties, and the characteristics of scientific networks at different analytical levels (authors, institutions, and countries) and in different disciplines or areas of knowledge. He has also investigated cooperative practices as a process and researchers' perceptions with regard to this phenomenon, combining quantitative and qualitative approaches based on surveys and interviews.



Dr. Anil Kumar

Anil is a Senior Lecturer at Guildhall School of Business and Law, London Metropolitan University (LMU), UK. For the last twelve years, he has been associated with teaching and research. Before joining LMU, he was a Post-Doctoral Research Fellow in Decision Sciences at the Centre for Supply Chain Improvement, University of Derby, UK. He earned his PhD in Management Science from ABV-Indian Institute of

Information Technology and Management, Gwalior, India. He did his graduation in Mathematics (Hons) and MSc (Mathematics) from Kurukshetra University, India. He earned his MBA and qualified National Eligibility Test (NET). His areas of research are Sustainability, Circular/Net Zero Economy, Industry 4.0/5.0, Supply Chains and Sustainable Operations, Customer Retention, Green Purchasing Behaviour, Sustainable Procurement, Sustainable Development, Performance Measurement, Human Capital etc. and integration of operation area with other areas. Due to his remarkable contributions to the literature, he has been listed in the 'World Ranking Top 2%' researchers by Stanford University-Elsevier list, in October 2022 and he also has ranked in 4th place in the UK and Northern as per CABS Academic Journal Guide 2021 ranking, based on a publication P-ranking and considering articles published since 2022 & considering authors' affiliation.

Marine biology

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Materials science

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Prof. Luis M. Gandía

Luis M. Gandía is a full professor of chemical engineering at the Public University of Navarre (UPNA) since 2010. Prof. Gandía obtained his Ph.D. in chemistry at the Faculty of Chemistry of the University of the Basque Country in Donostia/San Sebastián in 1993. He is a founding member of the Institute for Advanced Materials (InaMat) at UPNA. He is the head of a multi-disciplinary research team mainly working on renewable resources valorization and the development of catalytic materials for environmental and energy applications. His research interests include: preparation and physico-chemical characterization of heterogeneous catalysts; structured and micro-structured catalysts and chemical reactors; photocatalysis; biofuels and synthetic fuels; hydrogen energy; Li-ion batteries; methane conversion; CO₂ valorization and Computational Fluid Dynamics (CFD).

Mathematics

Meet the full editorial team for [Heliyon Mathematics](#).



Prof. Hermann J. Eberl

Dr. Hermann Eberl is a professor in the Department of Mathematics and Statistics at the University of Guelph (Canada), where he is also the director of the Biophysics Interdepartmental Graduate Program. Prior to joining the University of Guelph he obtained his graduate degrees (Dipl.Math., Dr.rer.nat) at the Technical University of Munich (Germany) and was a postdoctoral fellow first at the Delft University of Technology (the Netherlands), and then at the GSF National Research Center for Environment and Health in Oberschleissheim (Germany).

His research is in mathematical modelling, analysis, and simulation of biological systems and their interaction with their physical environment. This encompasses dynamical systems, partial differential equations, numerical analysis and scientific computing. The two primary strands of his research in recent years were the development and application of mathematical methods in biofilm research and mathematical modelling of honeybee colonies and their diseases.



Assoc. Prof. Yilun Shang, PhD

Dr. Yilun Shang is an Associate Professor in the Department of Computer and Information Sciences at Northumbria University (UK), where he is also the Program Lead of MSc Artificial Intelligence. Prior to joining Northumbria, he obtained his BS and PhD degrees in Mathematics from Shanghai Jiao Tong University (China) and was an Associate Professor of Mathematics in Tongji University (China).

His research interests mainly include complex networks, nonlinear dynamics, applied probability, combinatorics, algorithms, and computation. Some primary strands of his research in recent years were the topological indices of graphs, network resilience, random graphs, and distributed cooperative control of multiagent systems.

Medical Imaging

Meet the full editorial team for [Heliyon Medical Imaging](#).



Prof. Dr. Andor W.J.M. Glaudemans, MD, PhD

Nuclear medicine specialist, president Dutch Society of Nuclear Medicine, co-chair Infection and Inflammation Committee of the European Association of Nuclear Medicine. Expert areas, both in patient care and in research: (1) infections, (2) inflammatory diseases, and (3) tumor immunology. (co-)Author of > 300 peer-reviewed articles, supervisor of > 20 PhD students, editor of several Springer textbooks, member of several Editorial Boards, and involved in the development of many European guidelines and PET procedural recommendations for infections and inflammatory diseases.



Prof. Tuan Pham, PhD

Tuan D. Pham obtained his PhD in 1995 from the University of New South Wales, focusing on AI applications in engineering numerical analysis. He currently holds the position as Professor of Artificial Intelligence (AI) specializing in Imaging, Diagnostics, and Trauma with Barts and The London School of Medicine and Dentistry at Queen Mary University of London. Dr. Pham's research is dedicated to advancing AI methodologies, particularly in dentistry, medicine, and life sciences, aiming to enhance human knowledge and skills. He has authored three research monographs and several hundred papers published in peer-reviewed journals and conference proceedings. Professor Pham's scholarly contributions span various disciplines, including medical and dental AI, bioinformatics, computer science, physics, and engineering.

Microbiology

Meet the full editorial team for [Heliyon Microbiology](#).



Dr. Volker Gurtler, PhD

Dr Gurtler completed a Ph.D. program in 1996 at La Trobe University in the Department of Microbiology. The main contribution of this work was the development of a universal bacterial typing technique based on the 16S-23S rDNA spacer region. The technique is now extensively used in many areas of Microbiology including Diagnostic, Environmental and Veterinary Microbiology. Citations to the articles Dr Gurtler wrote on this topic total >1000 with >830 citations alone to the 1996 review published in the journal "Microbiology". Dr Gurtler wrote an invited review on genomic typing, taxonomy and identification of bacterial isolates for the International Journal of Systematic and Evolutionary Microbiology (IJSEM). In addition to fundamental research, Dr Gurtler has also had experience with the application of this technology to the medical diagnostic laboratory in the fields of molecular microbiology and human molecular genetics. Dr Gurtler has been involved full time in diagnostic microbiology over many years resulting in the adoption of a method that identifies Mycobacterium species directly from clinical specimens without the need for culture in specimens positive for acid fast bacilli, the discovery of Nocardia veterana, and the development of many diagnostic tests including CMV, VRE, Chlamydia trachomatis and Neisseria gonorrhoeae to name a few. In the last twelve years Dr Gurtler has been an Editor for the Journal of Microbiological Methods (JMM) and in the last 5 years Serial Editor of Methods in Microbiology (MIM) with the publication of 9 volumes covering diverse subjects such as Biofilms, Nanotechnology, COVID-19 and Fluorescent Probes.



Dr. Antoinette van der Kuyl, PhD

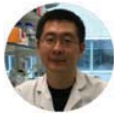
Dr. Antoinette van der Kuyl was awarded a PhD in Biochemistry from the University of Leiden, Netherlands, in 1991, on a project studying alfalfa mosaic virus RNA replication. Since then, she has been employed at the Amsterdam UMC, University of Amsterdam, in the Laboratory of Experimental Virology of the Department of Medical Microbiology & Infection Prevention, first as a postdoc and since 1995 in a permanent staff position. Her research topics in Amsterdam involved a switch from plants to primates, and concerned retro-, hepadna- and herpesviruses, such as HIV, SIV, HBV, and HHV8. Besides the clinical aspect of virus infections, Dr. van der Kuyl has a great interest in evolutionary microbiology and history, resulting in papers on endogenous retrovirus evolution, and ancient DNA. In 2021, she published a book entitled 'The Dutch Cholera Epidemic of 1832 as seen through 19th Century Medical Publications' (Eburon Academic Publishers). Next to research, a substantial part of her appointment is taken up by teaching bachelor and master courses in Medical Microbiology and Infectious Diseases at the University of Amsterdam, and the Amsterdam University College, as well as by supervising graduate and undergraduate students. Dr. van der Kuyl is a (co-)author of >70 research papers, and an Editorial Board member of several scientific journals.

Nephrology

The editorial team for [Heliyon Nephrology](#) is part of [Heliyon Clinical Research](#).

Neurology

Meet the full editorial team for [Heliyon Neurology](#).



Dr. Jinning Han, MD, PhD

Dr. Jinning Han is a neurologist at Xuanwu Hospital, Capital Medical University, Beijing, China. Dr. Han obtained the master's degree of Neurology from Jilin University, China and PhD degree from Karolinska Institutet, Sweden. His research interest focuses on exploring novel immunotherapies for neuroinflammatory diseases such as multiple sclerosis (MS) and neuromyelitis optica spectrum disorders (NMOSD) using big data. Dr. Han's research topics also include colony stimulating factor 1 receptor (CSF1R)-related leukoencephalopathy and whole genome sequencing, carrying out a strongly linked research program aimed at applying updated knowledge from experimental studies to the clinical situation. Dr. Han has published over 60 scientific papers, and reviewed over 600 scientific papers. He has wide experience with editing scientific papers and managing the critical decisions.



Prof. Dirk M. Hermann, MD

Prof. Dirk Hermann is a neurologist at the University Hospital Essen (Germany). Following his Medical studies at Gießen University (Germany) and a research stay at Michel Jouvet's lab at Claude Bernard University in Lyon (France), Dirk Hermann performed his clinical and scientific training at the Max Planck Institute of Psychiatry (Munich), the Max Planck Institute of Neurological Research (Cologne) and the Department of Neurology of the University Hospital Tübingen (all Germany). Following his Neurology board and State doctorate, he was Associate Professor and Neurology Consultant at the Department of Neurology of the University Hospital Zurich (Switzerland) from 2002-2008. Since 2008, Dirk Hermann holds the Chair of Vascular Neurology, Dementia and Ageing Research at the University Hospital Essen (Germany).

Neuroscience

Meet the full editorial team for [Heliyon Neuroscience](#).



Assoc. Prof. Carmela Matrone, PhD

Matrone Carmela is associate professor at the University of Naples Federico II, School of Medicine, Dept of Neuroscience. She completed her PhD program in Neuroscience in 2004. In 2005, she was given a post doc position, at the Center of Excellence in Brain Research (CERC/EBRI) in Rome (IT), where she had the privilege to work with prof Rita Levi Montalcini who won the Nobel Prize in 1986 for the discovery of the nerve growth factor (NGF). In 2010, she was invited researcher in Skirball Institute, NYU, under professor Chao Moses V, the former president of the Society for Neuroscience (SfN). Later, that same year, she became an independent investigator at the Center of Excellence in Brain Research (CERC/EBRI) in Rome. In 2012, she received a position as a group leader at Aarhus University (AU) in Denmark, where she became an Ass Professor in Pharmacology in 2014. In 2018, she was awarded an associate professor position in Pharmacology in Italy, at the University of Naples Federico II, where she is currently working.

In the last 10 years, she has received a number of research awards as a principal investigator and in collaboration with partners from all around the globe, thanks to the support of international non-profit institutions as well as partners from private foundations.

Since 2004, she has published more than 50 scientific articles in peer-reviewed journals and several chapters in pharmacology books. She serves as a reviewer in many international journals working in the field of Alzheimer's disease and in private and public grant agencies for the evaluation of research projects. She was a supervisor of more than 100 students, including bachelors, masters, and PhDs.

Matrone's research interest has focused during the last years on those events possible initiating, or contributing to, Alzheimer's disease processes. In addition, she is interested in the processes that occur during neurodevelopment and how both the brain and peripheral immune cells can modify neuronal functions. For this reason, she has been working for the last few years and is currently working with patient-derived biosamples, as well as human neural progenitors. The overall goal of these studies is to identify new biomarkers and targets for disease modification that can ultimately be used to develop novel diagnostic or therapeutic strategies for affected patients.



Assoc. Prof. Mario Tiberi

Dr. Mario Tiberi is a senior scientist at the Ottawa Hospital Research Institute's Neuroscience Program, and associate professor at the University of Ottawa Faculty of Medicine in the departments of medicine, cellular and molecular medicine, and psychiatry. He is also a member of the University of Ottawa Brain and Mind Research Institute. Dr. Tiberi completed his PhD in Pharmacology (1990) on opioid receptors at the Université de Montréal under the supervision of Dr. Jacques Magnan, before moving on to a very successful post-doctoral training at the Howard Hughes Medical Institutes at Duke University in Dr. Marc Caron's laboratory. It was during his postdoctoral training that Dr. Tiberi refined his area of research expertise in molecular biology and biochemistry of dopamine receptors. His research interests focus on dopamine receptors, G proteins, signal transduction, desensitization and phosphorylation. Dr. Tiberi's work aims to understand complex structure and molecular relationships of dopamine receptor signaling complexes using in vitro cellular systems and pre-clinical in vivo models, with the aim of aiding in the development of novel therapeutic strategies for brain disorders such as Parkinson's disease, stroke, schizophrenia and drug addiction. Dr. Tiberi has published over 50 scientific papers and edited two books. He has wide experience with undergrad and graduate student supervision as well as teaching. Many of his former graduate students have gone on to successful independent research careers.

Nursing and Health Professions

Meet the full editorial team for [Heliyon Nursing and Health Professions](#).



Dr. Carolyn Mackintosh-Franklin

Dr. Carolyn Mackintosh-Franklin has had an extensive career. She started as a registered nurse who worked as a Clinical Nurse Specialist in Pain Management. She then moved into Higher Education and worked in many different roles: as a senior lecturer in the Faculty of Health at the University of Bradford, as Head of the School of Health at the University of Liverpool, as Associate Dean for the Faculty of Health and Social Care at the University of Hull and most recently as a Reader at the University of Manchester. She received her first degree from the University of Newcastle Upon Tyne, her MSc from the University of Manchester and Doctorate from the University of Bradford. Her research interests are broad-ranging; encompassing work on healthcare professionals' attitudes towards those in pain, aspects of pain assessment and management, professional socialisation and pedagogic research into learning needs of mature students, with a range of highly cited publications and conference presentations in these areas. She has worked with Heliyon since the journal was first initiated and was previously a Section Editor of *Heliyon Clinical Research*. She is now the Section Editor of *Heliyon Nursing and Health Professions*.

Oncology

Meet the full editorial team for [Heliyon Oncology](#).



Assoc. Prof. Takaaki Masuda

Takaaki Masuda received a Ph.D. at the graduate school of medical sciences from Kyushu University in Japan. He is an Associate Professor at the Department of Surgery at Kyushu University Beppu Hospital. He is a member of Japanese Cancer Association, Japan Surgical Society, Japanese Breast Cancer Society, The Japanese Society of Gastroenterological Surgery, Japanese Society of Medical Oncology, The Japanese Association for Molecular Target Therapy of Cancer, Japan Society for Molecular Tumor Marker Research, The Japanese Gastroenterological Association, Japanese Society for Gastroenterological Carcinogenesis and The Japanese Society of Gastroenterology. His main research interests are cancer biology, cancer evolution and liquid biopsy.



Prof. Graham Pawelec

Graham Pawelec received an MA in Natural Sciences and a PhD in Transplantation Immunology from the University of Cambridge, UK. He is currently Professor of Experimental Immunology in the Department of Immunology, University of Tübingen, and is an Affiliated Scientist at the Health Sciences North Research Institute, Sudbury, ON. He was a Visiting Professor at Nottingham Trent University, UK and at King's College London, UK, and held an Honorary Chair at Manchester University, UK. He is currently Co-Editor-in-Chief of "Immunity and Aging" and an Associate Editor at the Journal for Immunotherapy of Cancer. His research interests are centred on alterations to immunity, especially T cell-mediated immunity, in ageing and cancer in man, and the influence these have on the outcome of vaccination and immunomodulatory antibody therapies.



Assoc. Prof. Francesca Sanguedolce

Francesca Sanguedolce is an Associate Professor of Pathology and Director of the Institute of Pathology at the University Hospital of Foggia, Italy. She provides clinical care as a surgical pathologist with expertise in genitourinary, cutaneous, and digital pathology. Her current research is mainly focused on the identification and validation of tissue biomarkers in prostate, bladder cancer and kidney cancer. Furthermore, she has a great interest in the morphological, immunophenotypical and molecular features of solid tumors, and in the translation of technological innovation to pathology practice. She is a (co-)author of over 180 scientific publications, and an Editorial Board member of several scientific journals.

Ophthalmology

The editorial team for *Heliyon Ophthalmology* is part of [Heliyon Clinical Research](#).

Paediatrics

The editorial team for *Heliyon Paediatrics* is part of [Heliyon Clinical Research](#).

Pathology and Laboratory Medicine

The editorial team for *Heliyon Pathology and Laboratory Medicine* is part of [Heliyon Clinical Research](#).

Pharmaceutical science

Meet the full editorial team for [Heliyon Pharmaceutical science](#).



Prof. Francesco Epifano

Prof. Epifano obtained his degree in Medicinal Chemistry and Pharmaceutical Technology in 1993 from the University of Perugia, Italy. In 1998, he obtained his Ph.D. in Agricultural Entomology at the Faculty of Agricultural Sciences of the University of Perugia. Currently, he is an Associate Professor of Medicinal Chemistry at the Department of Pharmacy of the University Gabriele D'Annunzio of Chieti-Pescara. His recent work is concerned with synthesis and pharmacological properties of secondary metabolites from plants, fungi, and bacteria. Dr. Epifano was the recipient of the 2010 IADR / Glaxo Smith Kline Innovation in Oral Care Award as the co-investigator of the project entitled "Therapeutic potential of Citrus auraptene for periodontal disease", the 2012 Apivita Award for Phytochemistry, and the 2017 Pierre Fabre – Phytochemical Society of Europe Innovation Award.



Prof. Dimitrios Lamprou

Prof. Dimitrios Lamprou (Ph.D., MBA), is a Full Professor (Chair) of Biofabrication and Advanced Manufacturing, Chair at United Kingdom and Ireland Controlled Release Society, and the Chair of the Academy of Pharmaceutical Sciences Emerging Technologies Focus Group. He, is the author of over 130 peer-reviewed publications, has over 350 conference abstracts, and has given over 130 Invited Talks in institutions and conferences across the world. His research and academic leadership have been recognised in a range of awards, including the Royal Pharmaceutical Society Science Award and the Scottish Universities Life Sciences Alliance Leaders Scheme Award. His state-of-

Pharmacology and toxicology

Meet the full editorial team for [Heliyon Pharmacology and toxicology](#).



Dr. Lukasz Ciesla

Lukasz Ciesla obtained his PhD at the Medical University of Lublin, Poland, in 2011. After defending his dissertation, he worked 18 months at the Department of Plant Biochemistry and Crop Quality, Institute of Soil Science and Plant Cultivation in Poland. From 2012–2014 he worked in Foundation for Polish Science project "Multidisciplinary development of drugs acting on selected neuronal receptors". He was a laureate of the Foundation for Polish Science program SKILLS-Mentoring, mentor: Prof. Christian Zidom, University of Innsbruck, Austria. Between 2014 and 2017 he worked as a visiting fellow at the National Institute on Aging, Baltimore, USA. Currently Lukasz is an assistant professor in the Department of Biological Sciences at the University of Alabama. His research program focuses on understanding the role of dietary phytochemicals in the prevention and treatment of chronic noncommunicable diseases. His team at the University of Alabama also develops novel approaches in the discovery of biologically active compounds present in complex natural matrices, such as plant, bacterial and fungal extracts.



Prof. Emilio Clementi

Emilio Clementi graduated in medicine and surgery at the University of Milano, received his doctorate in pharmacotherapy at the University of Brescia to move as research fellow to the University College London. He is currently full professor of pharmacology and director of the clinical pharmacology unit of the National Health System at the University of Milano, co-opted member in the executive committee of the International Union of basic and clinical Pharmacology (IUPHAR).

He has published on the pathophysiology of nitric oxide and its relevance in therapeutic perspective, especially in skeletal muscle, and on pharmacokinetics, pharmacogenetics and pharmacoepidemiology in paediatry. He is presently the editor in chief of pharmacological research.



Prof. John Igoli, PhD

John Igoli studied chemistry at the University of Nigeria, Nsukka, as the best graduating student in his class of 1985. He later obtained his M.Sc (1990) and PhD (natural products chemistry) in 2003 with the best PhD thesis in his Faculty. He had postdoctoral training at the Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde, Glasgow, from 2008 to 2014, working under the mentorship of the renowned phytochemist Prof Alexander (Sandy) Gray, from whom he learnt the fundamentals of drug discovery from medicinal plants, spectroscopy and structure elucidation. He works at the Department of Chemistry, Joseph Sarwuan Tarka University (formerly University of Agriculture) Makurdi, Nigeria. Prof Igoli is an expert in the area of phytochemistry, ethnobotany, isolation and characterization of natural compounds from plants, propolis and other sources using chromatographic and spectroscopic methods. He is also involved in bioactivity studies against NTDs such as malaria, trypanosomiasis and leishmaniasis and has assayed several novel compounds. Professor John Ogbaji Igoli as a renowned natural products chemist has isolated and characterized numerous novel compounds.



Dr. Martin Leonard

Dr. Leonard obtained his PhD in pharmacology in 2000 from University College Dublin, Ireland. He has over 15 years' experience as a toxicologist focussed to developing and improving on models and methods for assessment of toxicological hazard, including the use of high content omics technology and iPSC in vitro models of the airway. Dr. Leonard is a European registered toxicologist and currently holds a position as principal toxicologist at Public Health England directing research into the mechanisms of allergen and particulate hazard associated with asthma and allergic airway disease. Dr. Leonard has published extensively in the fields of toxicology, cell biology and immunology. In addition to section editor at Heliyon, he is also associate editor for the journal Toxicology in Vitro



Prof. Ying Xie

Prof. Ying XIE received a Ph.D. in Pharmacology from Hong Kong Baptist University, and worked for Macau University of Science and Technology as Associate Professor (2012.08–2022.02). She is currently Professor of pharmacology in The Second Affiliated Hospital of Guangzhou University of Chinese Medicine, Guangzhou, China. She is also the Working Group Experts of ISO/TC249 Traditional Chinese Medicine. Her research interests are centered on the pharmacokinetics and therapeutic effects of active compounds & natural products, especially in autoimmunity diseases and cancer.

Physics

Meet the full editorial team for [Heliyon Physics](#).



Prof. Gerald Cleaver

Gerald B. Cleaver earned his Ph.D. in early universe cosmology and string theory at Caltech. He is a Professor in the Department of Physics at Baylor University in Waco, Texas. He also heads the Early Universe Cosmology and String Theory (EUCOS) division of Baylor's Center for Astrophysics, Space Physics and Engineering Research (CASPER).

With CASPER colleagues, Prof. Cleaver (i) explores quantum gravity effects in the early universe and the signatures of specific quantum gravity proposals, especially with regard to the cosmic microwave background (CMB), (ii) studies relativistic thermodynamics and physics & cosmology applications to cryptography, (iii) analyzes spacetime curvatures (and their possible divergences) for theorized spacetime wormholes, and (iv) investigates advanced spacecraft propulsion systems. Prof. Cleaver was a member of a NASA blue-ribbon review committee for advanced propulsion system proposals. He has written over 100 journal articles and conference proceedings, is co-author of an elementary particle physics textbook, author of six book chapters, on the editorial board of four science journals, and referee for nine physics journals.



Dr. Jordi Farauo

Jordi Farauo earned his Ph.D. in Nonequilibrium Statistical Mechanics at Universitat Autònoma de Barcelona, Spain. During a postdoctoral stay at Imperial College London (UK), he became interested in Soft Condensed Matter and Complex Fluids, an interest that continued and expanded until today. He currently serves as permanent Researcher at the Theory Department, Materials Science Institute of Barcelona (ICMAB-CSIC). His group employs computer simulations and statistical mechanics to explore fundamental questions in soft condensed matter and complex fluids, including questions related to self-assembly of molecules, macromolecules and nanoparticles, electrostatics and electrokinetics of soft matter, biopolymers and biological materials and the interaction of biological molecules with (inorganic) materials. His vision is to develop simulations and theory in areas with flourishing experimental or even industrial activity which lack proper conceptual understanding or predictive simulation tools. He has written more than 100 journal articles, conference proceedings and book chapters and served on the editorial board of two science journals, and referee for many physics, chemistry, materials science and general science journals. He also enjoys scientific outreach activities, collaborating with science museums and giving lectures for the general public and for primary and secondary school science teachers.

Plant biology

Meet the editorial team for [Heliyon Plant biology](#).



Prof. Yu-Chung Chiang

Research piloted in my research answers a key biological question: how do genetic signals within and among species reveal evolutionary and geographical structure, including plant phylogeography of East Asia and the Pacific Islands, introgression between wild populations and cultivars, and conservation genetics on rare and endemic plant.

Public health

Meet the full editorial team for [Heliyon Public health](#).



Dr. Chaisiri Angkurawaranon

Chaisiri Angkurawaranon received his MD from Chiang Mai University and specialises in Family Medicine. He received a Masters in Medical Statistics and a PhD in Non-communicable Disease Epidemiology from the London School of Hygiene and Tropical Medicine. His research focuses on global health issues related to ageing and chronic conditions (both communicable and non-communicable) in primary care.



Prof. Stéphanie Baggio

Stéphanie holds a Ph.D. in Social Psychology from the University of Paris-Descartes, France. She also holds an MCs in Statistics (University of Grenoble-Alpes, France) and a Habilitation in Primary Health Care (University of Bern, Switzerland). She is a senior epidemiologist and head of the Statistics and Methodology Unit at the Institute of Primary Health Care (BIHAM) at the University of Bern, Switzerland. She leads and supervises projects focusing on health inequalities, vulnerable populations, access to health care, and mental health, including addictive behaviors. She uses a wide range of statistical methods to analyze data from medical and psychological studies and has extensive experience teaching methodology, statistics, and epidemiology. She has served on the editorial boards of major biomedical journals.



Prof. Ileana Baldi

Ileana Baldi holds a PhD in Statistics from the University of Milano-Bicocca and an MSc in Epidemiology from the University of Torino. She currently serves as an Associate Professor of Medical Statistics at the Unit of Biostatistics, Epidemiology, and Public Health, University of Padova, Italy, a position she has held since 2011.

Her expertise encompasses various aspects of biostatistics and innovative data analytics, involving a wide range of data sources, from wearable technology signals to traditional electronic health records and textual data. She also has a keen interest in automating systematic reviews and meta-analyses.

She gained valuable experience in clinical trial design and analysis during her previous research tenure at the University of Torino, Italy. She actively contributes to the academic community by serving on the boards of the PhD program in Translational Specialist Medicine 'G.B. Morgagni' and the Residency Program in Medical Statistics and Biometrics, both at the University of Padova.



Dr. Madhavi Bhargava

Madhavi was trained as a primary care physician and a surgeon and thereafter worked in rural and tribal areas of Central India for more than 10 years before joining academics. She got trained in research at McGill University, Montreal and later went on to complete her further post-graduate training in Public Health and Community Medicine from Himalayan Institute of Medical Sciences, Dehradun, India. Her work focuses on primary care, public health in low resource settings and social determinants of health. Of the social determinants, nutrition and its intersection with communicable diseases like tuberculosis is the major work she is currently involved. She has served in editorial boards of important biomedical journals and maternal, child and adolescent health & nutrition are other areas of work.



Prof. Ann Dadich

Professor Ann Dadich is an Professor of Human Resources and Management with the Western Sydney University School of Business. She is internationally recognised as an expert in health service management, notably knowledge translation – that is, the processes through which different knowledges coalesce to promote quality care. This is demonstrated by her impressive publication record, with over 220 refereed publications; the grants she has secured with collaborators; the doctoral theses she is invited to examine; and the awards she has received. Professor Dadich has made considerable contributions to health service management because of her engaged research, committed to making a positive difference in the world through an orientation to others. This approach has harnessed the expertise of managers, clinicians, patients, and carers; as well as ignite and sustain practice changes that promote quality care. Consequently, Professor Dadich holds editorial appointments with leading academic journals, including the Australian Health Review and Heliyon. She is also the Deputy Director of the Maridulu Budyari Gumal Sydney Partnership for Health, Education, Research and Enterprise (SPHERE) Knowledge Translation Strategic Platform; she serves on the Australian Consortium for Social and Political Research Incorporated (ACSPRI) Executive Committee; she is a Director of the Australian and New Zealand Academy of Management (ANZAM); she chairs the ANZAM Research Committee; she chairs the ANZAM Health Management and Organisation Conference Stream; and she convenes the ANZAM Health Management and Organisation Special Interest Group. She supervises doctoral candidates and teaches undergraduate units on change management, innovation, creativity, and organisational behaviour.



Dr. Ramesh Holla

Dr. Ramesh Holla has more than a decade experience as teacher, researcher in field of public health and epidemiology. He has published more than 130 research articles in peer reviewed indexed journals including in Lancet, Nature Medicine and BMJ group of journals as Global Burden of Disease Collaborator and has a h index of 33. He has to his credit several funded research projects as Principal Investigator & Co-investigator from reputed national and international agencies. He has been recognized as top 2 percentile rank of scientists worldwide in a recent study by a researcher from Stanford University for the year 2023.

Respiratory Medicine

The editorial team for *Heliyon Respiratory Medicine* is part of *Heliyon Clinical Research*.

Rheumatology

The editorial team for *Heliyon Rheumatology* is part of *Heliyon Clinical Research*, *Heliyon Immunology* and *Heliyon Sports Medicine*.

Rural development

Meet the full editorial team for *Heliyon Rural development*.



Assoc. Prof. Fabio Santeramo

Fabio Santeramo, PhD, is Associate Professor in Economics at the University of Foggia and Fellow at the European University Institute. Santeramo coordinates projects on Agri-food Trade, Policies, and Climate Change, as well as on Risk Management in Agriculture. He is coordinating the MedECC Special Report on Climate-Water-Energy-Food-Ecosystems nexus.

Currently serving as Chair of the Executive Committee of the IATRC, his works focus on agricultural markets, trade and policies, and have been published in top-field journals.



Dr. Edson Talamini, PhD

Dr. Edson Talamini is an Associate Professor at the Department of Economics and International Relations - DERI, of the Faculty of Economic Sciences - FCE, at the Federal University of Rio Grande do Sul - UFRGS. He taught in the Graduate Program in Rural Development (2012-2021). He is currently a lecturer in the Postgraduate Program in Agribusiness at the Interdisciplinary Center for Studies and Research in Agribusiness - CEPAN (2012-present); Coordinator of the Center for Studies in Bioeconomics applied to Agribusiness - NEBAgro; Researcher at the National Council for Scientific and Technological Development - CNPq. His research projects have focused on topics related to Bioeconomy and Bioeconomics, Agribusiness and Food Systems, Natural Resources and Sustainability.

Sleep Medicine

The editorial team for *Heliyon Sleep Medicine* is part of *Heliyon Clinical Research* and *Heliyon Neuroscience*.

Society and politics

Meet the full editorial team for *Heliyon Society and politics*.



Prof. P. Vigneswara Ilavarasan

P. Vigneswara Ilavarasan (PhD - IIT Kanpur) is a professor of information systems at the Dept. of Management Studies, Indian Institute of Technology Delhi. He researches and teaches about the interaction of information and communication technologies (ICTs), society, and business.

Dr. Ilavarasan has been a visiting research fellow at United Nations University - School of Computing and Society (Macau) and School of Management, Curtin University (Perth). He is a recipient of the Outstanding Young Faculty Fellowship Award at IIT Delhi and Prof. M.N. Srinivas Memorial Prize of the Indian Sociological Society. He is also a senior research fellow at LIRNEasia, a leading regional ICT policy and regulation think tank. He has received large research grants from Dept of Science & Technology (Govt of India), ICSSR (India), IDRC (Canada), Oxford Analytica (UK), IPTS (European Commission), CIPPEC (Argentina) and IdeaCorp (Philippines). His research has appeared in various leading international journals and at numerous global conferences.



Dr. Tomayess Issa

Dr. Tomayess Issa is a Senior Lecturer at the Faculty of Business and Law - Curtin University/Australia. Tomayess completed her doctoral research in Web development and Human Factors. As an academic, she is also interested in establishing teaching methods and styles to enhance the students' learning experiences and resolve problems that students face. Tomayess is a Conference and Program Co-Chair of the IADIS International Conference on Internet Technologies and Society and IADIS International Conference on International Higher Education. Furthermore, she initiated the IADIS conference for Sustainability, Green IT and Education. Currently, she conducts research locally and globally in Human-Computer Interaction, Usability, Social Networking, Sustainability, Sustainable Design, Green IT, Cloud Computing and Teaching and Learning. Tomayess published her work in several peer-reviewed journals, books, book chapters, papers and research reports and participated in local and global conferences. Tomayess Issa was a coordinator in the International research network (IRNet-EU (Jan2014 – Dec 2017)) to study and develop new tools and methods for advanced pedagogical science in the field of ICT instruments, e-learning and intercultural competences. Tomayess Issa is a senior research member of ISRLab (Information Society Research Lab) from International Association for Development of the Information Society. Finally, Tomayess supervised PhD, Master of Phil and Master Dissertations; and she received Curtin Guild Awards for her teaching and supervision. In 2017, she received the overall winner Student Guild Outstanding Achievement in Teaching Excellence 2017 Award for university-wide. Tomayess received 2021 Green Gown Awards Australasia -Next Generation Learning and Skills - Highly Commended to the Green Information Technology and Sustainability unit.



Dr. Slavina Spasova

Slavina Spasova is a senior researcher at the European Social Observatory, where she has worked since 2016. She holds a PhD in political science (ULB). Her research agenda focuses on various social policy issues such as social dialogue and social protection, pension reforms, work-life balance, healthcare, long-term care, sickness benefits and unemployment benefits. She is the OSE's coordinator in the European Social Policy Network (ESPN). Slavina is also a research associate at the ULB's Centre d'étude de la vie politique (CEVIPOL) and Member of the Editorial board of the European Journal of Social Security.



Assoc. Prof. Dimitris Tsarouhas

Dimitris Tsarouhas, PhD is Visiting Associate Professor at the Department of Political Science, Virginia Tech, and Associate Professor at the Department of International Relations, Bilkent University, Turkey. He is a Non-Resident Senior Research Fellow at the Hellenic Foundation for European and Foreign Policy (ELIAMEP) and a Scientific Council Member of the Foundation for European Progressive Studies (FEPS) in Brussels.

Tsarouhas is the co-editor (with Owen Parker) of *Crisis in the Eurozone Periphery: The Political Economies of Greece, Spain, Portugal and Ireland* (London: Palgrave 2018), author of *Social Democracy in Sweden: the Threat from a Globalized World* (London and New

York: I.B. Tauris, 2008) and co-editor of *Bridging the Real Divide: Social and Regional Policy in Turkey's EU Accession Process* (METU Press 2007). His research has been published in numerous book volumes and journals such as *Regulation & Governance*, *New Political Economy*, *Journal of European Integration*, *Public Administration*, *Comparative European Politics*, *Cambridge Review of International Affairs*, *Social Politics*, *Social Policy & Administration*, *Political Studies Review*, *Armed Forces & Society*, *European Journal of Industrial Relations* and *Southeast European and Black Sea Studies*.

Soil science

Meet the full editorial team for [Heliyon Soil science](#).



Assoc. Prof. Riccardo Scalenghe, PhD

Riccardo Scalenghe, associate professor in pedology, is a multi-disciplinary scientist working for more than 20 years in the whole field of Soil Science. His particular focus lies mainly on the cycle of phosphorus, the soil-water interface (including its frozen equivalent), and the anthropogenic impacts on soils. He uses an inter-disciplinary research approach with environment-environment interactions and human-environment interactions. This includes mainly those interactions including, but not limited to, the detection of pedogenic indicators and spatiotemporal patterns of habitats and ecosystems. His research goal is to comprehend the responsive ability of soils under stress conditions, ultimately, attempting to promote sustainable human and ecosystems health.

Sport and exercise medicine

Meet the full editorial team for [Heliyon Sport and Exercise Medicine](#).



Prof. Giuseppe Musumeci

Giuseppe Musumeci received a BS, MS and PhD in Exercise and Sport Sciences from the University of Catania, Italy. Currently, he works as a Full Professor of Exercise and Sport Sciences at the Department of Biomedical and Biotechnological Sciences, School of Medicine, University of Catania, Italy. He is also an Adjunct Professor at Temple University's College of Science and Technology, Philadelphia, Pennsylvania, USA, and at the Faculty of Sport Sciences of the Fujian Normal University, Fuzhou, China. Prof. Musumeci is the Director of the Research Center on Motor Activities (CRAM), the Director of the School of Posturology and Physical Exercise Sciences, the Dean of the Exercise and Sport Sciences Faculty, and the Head of the Clinical Kinesiology Lab at the University of Catania. The main scientific interests are focused on preventive and adapted physical activity for all chronic non-communicable diseases; physical exercise adapted for health promotion; clinical kinesiology; biomechanics; posturologic activity for the main body paramorphism and dysmorphisms; motion analysis; walking and running analysis; sports performance and the use of sports biotechnology. Other research topics of interest are sports medicine, osteoarthritis, and musculoskeletal disorders and the relative effects of diet, aging, and physical activity in the clinical context.

Surgery

Meet the full editorial team for [Heliyon Surgery](#).



Prof. Herbert Chen, MD

Dr. Herbert Chen obtained his BS from Stanford University with Honors and with Distinction in 1988 and graduated from Duke University School of Medicine Alpha Omega Alpha in 1992. Dr. Chen then completed a general surgery residency followed by a surgical oncology and endocrinology fellowship at The Johns Hopkins Hospital.

Dr. Chen is Chair of the Department of Surgery at University of Alabama at Birmingham (UAB), the Surgeon-in-Chief of UAB Hospital and Health System, and the Senior Associate Dean for Academic Affairs in the UAB Heersink School of Medicine. He is a Professor of Surgery, Pediatrics, and Biomedical Engineering, and holds the Fay Fletcher Kerner Endowed Chair. His clinical interests include endocrine surgery and he is a pioneer in radioguided parathyroid surgery. Dr. Chen's lab studies thyroid and neuroendocrine cancers and has been received over \$35 million in extramural funding. He is the American Cancer Society MEN2 Thyroid Cancer Professor. Dr. Chen is the Editor-in-Chief of the American Journal of Surgery. He has held several leadership positions in major academic societies including President of the Society of Asian Academic Surgeons Foundation, President of Association for Academic Surgery, President of the Society of Clinical Surgery, President of the American Association of Endocrine Surgeons, and President of Surgical Biology Club II. Dr. Chen has mentored over 130 faculty, post-doctoral fellows, residents, medical students, and undergraduates in his lab. He has published over 650 original research and review articles and has edited 28 textbooks. He is well-known for his passion for teaching and mentoring the next generation of surgical leaders. Dr. Chen has also been recognized as a champion for diversity, equity, and inclusion.

Dr. Chen and his wife Harriet, a freelance photographer, reside in Mountain Brook, AL. His son Alex is psychiatry resident at John Hopkins while his daughter Liz is a faculty member at NC State College of Design.



Prof. Rosa Jimenez-Rodriguez, MD, PhD, FEBSc

Dr. Jiménez-Rodríguez has an extensive experience in colorectal surgery. She did her training in surgery at Hospital Universitario Virgen del Rocío in Seville, Spain where she got her PhD degree. To complete her training she also did a research fellowship and a clinical fellowship at Memorial Sloan Kettering Cancer Center in New York, USA. With the primary aim to translate research to clinical practice in colorectal surgery, her studies have focused on robotic surgery and laparoscopic surgery. Other interests are colorectal cancer, immunotherapy in colon and rectal cancer and microbiome in cancer.



Prof. Ibrahima Konaté, MD

Dr. Ibrahima Konaté is a professor of general surgery and currently serves as the coordinator of the General Surgery fellowship program. He is the former dean of the Faculty of Health Sciences and former head of the Department of Surgery at the University Gaston Berger in Saint Louis, Senegal. Dr. Konaté is specialized in General surgery and Coloproctology. He is head of the General Surgery Department at the Regional Hospital of Saint Louis in Senegal.

He is an active member of multiple scientific societies, holding positions such as President of the African Society of Coloproctology and Secretary General of the Afro-Hernia Society.

Tourism and Hospitality

Meet the full editorial team for [Heliyon Tourism and Hospitality](#).



Assoc. Prof. Jorge Ridderstaat, PhD

Dr. Jorge Ridderstaat is currently an Associate Professor at the UCF Rosen College of Hospitality Management. Prior to joining academia, he held positions at the Central Bank of Aruba, where he worked as an economist from 1996 to 2008 and later as the Research Manager from 2008 to 2016. Since 2016, he has been a faculty member at the University of Florida/Rosen College of Hospitality Management. Dr. Ridderstaat's research primarily focuses on exploring various factors that influence tourists' demand for goods and services. His expertise lies in utilizing secondary time series and panel data methodologies in his research investigations. He has authored two books, contributed to five book chapters, and published over forty peer-reviewed articles in specialized journals. Throughout his career, Dr. Ridderstaat has received recognition for his research and teaching contributions, earning several research and teaching awards. Dr. Ridderstaat's educational background includes a Bachelor's Degree in Accounting from The Hague University of Applied Sciences in the Netherlands, a Master's Degree in Economics from Erasmus University Rotterdam in the Netherlands, and a Ph.D. Degree in Tourism Economics from the Free University of Amsterdam, also in the Netherlands.

Urology

The editorial team for [Heliyon Urology](#) is part of [Heliyon Clinical Research](#).

Veterinary science

Meet the full editorial team for [Heliyon Veterinary science](#).



Prof. Benjamin Emikpe

Prof. Benjamin Emikpe is a Professor of diagnostic and toxicological pathology and Dean, School of Veterinary Medicine, Kwame Nkrumah University of Science and Technology, (KNUST) Kumasi, Ghana. His research had been on the diagnosis of endemic, emerging and zoonotic diseases affecting livestock, zoo and threatened wildlife. His interest is in One health and pulmonology with intranasal vaccination approaches to control of major pneumonia in domestic animal and the use of phyto-genic delivery of Newcastle disease and Infectious bursal disease vaccines in poultry. He has graduated 19 doctoral students in the diagnosis of endemic and emerging disease, use of vaccine delivery, probiotics and phytobiotics to control caprine, swine, fish and wildlife diseases. He has published extensively and had been plenary speaker in international conferences and workshops on livestock, wildlife disease diagnosis and One health.

Women's health

Meet the full editorial team for [Heliyon Women's health](#).



Prof. Bin Liu, MD, PhD

Dr. Bin Liu is the head of Biobank in Shenzhen Baoan Mother's and Children's Hospital, a professor in Jinan University. He received a B.Sc. and a Master degree from Tongji Medical University (Wuhan, China) and a PhD degree from Guangzhou Medical University (Guangzhou, China). The establishment of his biobank is motivated by the goal of optimizing maternal and infant health research in his hospital. His team's current research focus is on the biomarkers and the related mechanisms of female infertility.



Dr. Lena Serghides, PhD

Lena Serghides is a Senior Scientist at the Toronto General Hospital Research Institute, University Health Network, an Assistant Professor in the Department of Immunology and a Member of the Institute of Medical Sciences at the University of Toronto, and an Adjunct Scientist at the Women's College Research Institute, Women's College Hospital. She received a B.Sc. in Biology from Wilfrid Laurier University and a Ph.D. in Medical Sciences from the University of Toronto. Her lab's research is motivated by the goal of optimizing maternal and infant health in the context of infections of global health importance including HIV and malaria. Her current research focus is on understanding the mechanisms that contribute to the increased risk for adverse pregnancy outcomes in women living with HIV – with a special focus on the placenta, as well as understanding the long-term effects of in utero exposure to HIV and HIV antiretrovirals.

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e19679

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9389

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e19358
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e20063

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e19756
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Jing Lao, Xin-Ping Song, Huan-Sheng Wang, Ren-Sen Jiang, Yu Luo, Jun Sun, Zhi-Han Li, Chi Li, Ji-Kui Deng, Bin Wang, Xiao-Peng Ma, Jian-Yao Wang
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Zhi-Min Deng, Yi-Ping Gong, Feng Yao, Ma-Li Wu, Zi-Tao Wang, Jing-Ping Yuan, Yan-Xiang Cheng
e20160
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Krzysztof Kanabaj, Dorota Jenerowicz, Lucyna Jankowska, Zbigniew Żaba
e20021
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Daniela Andrea Paira, Fernando Beltramone, José Javier Olmedo, Andrea Daniela Tissera, Rosa Isabel Molina, Carolina Fux-Otta, Carolina Olivera, Ruben Dario Motrich
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e19500
[Full-Text HTML](#) | [PDF](#)
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Marco Salinas, Diana Aguirre, Lucy Baldeón, Jorge Pérez-Galarza
e19936
[Full-Text HTML](#) | [PDF](#)

Corrigendum


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Kainan Lin, Jiasheng Cao, Haibo Chen, Win Topatana, Jingwei Cai, Bin Zhang, Jiahao Hu, Renan Jin
e19443
[Full-Text HTML](#) | [PDF](#)
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Heli Lu, Zewen Huang, Lejun Zhang, Xiaoqin Huang, Xinyi Li
e19481
[Full-Text HTML](#) | [PDF](#)
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Iskandar Azmy Harahap, Maciej Kuligowski, Marcin Schmidt, Paweł Kurzawa, Ewa Pruszyńska-Oszmialek, Maciej Sassek, Joanna Suliburska
e19589
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Md Bazlar Rashid, Md Ahasan Habib, Arif Mahmud, Md Kamrul Ahsan, Md Hossain Khasru, Md Ashraf Hossain, Aktarul Ahsan, Kazi Munsura Akther, Shawon Talukder
e19699
[Full-Text HTML](#) | [PDF](#)
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Gloria Serra-Coch, Romano Wyss, Claudia R. Binder
e19884
[Full-Text HTML](#) | [PDF](#)
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Maryam Noori, Ramina Mahboobi, Ali Nabavi-Rad, Shaghayegh Jamshidzadeh, Farzaneh Fakharian, Abbas Yadegar, Mohammad Reza Zali
e19944
[Full-Text HTML](#) | [PDF](#)
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e19952
[Full-Text HTML](#) | [PDF](#)
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Manushi M. Bhatt, Kshama Gupta, Abhishek Danodia, Surya Deb Chakroborty, N.R. Patel
e19953
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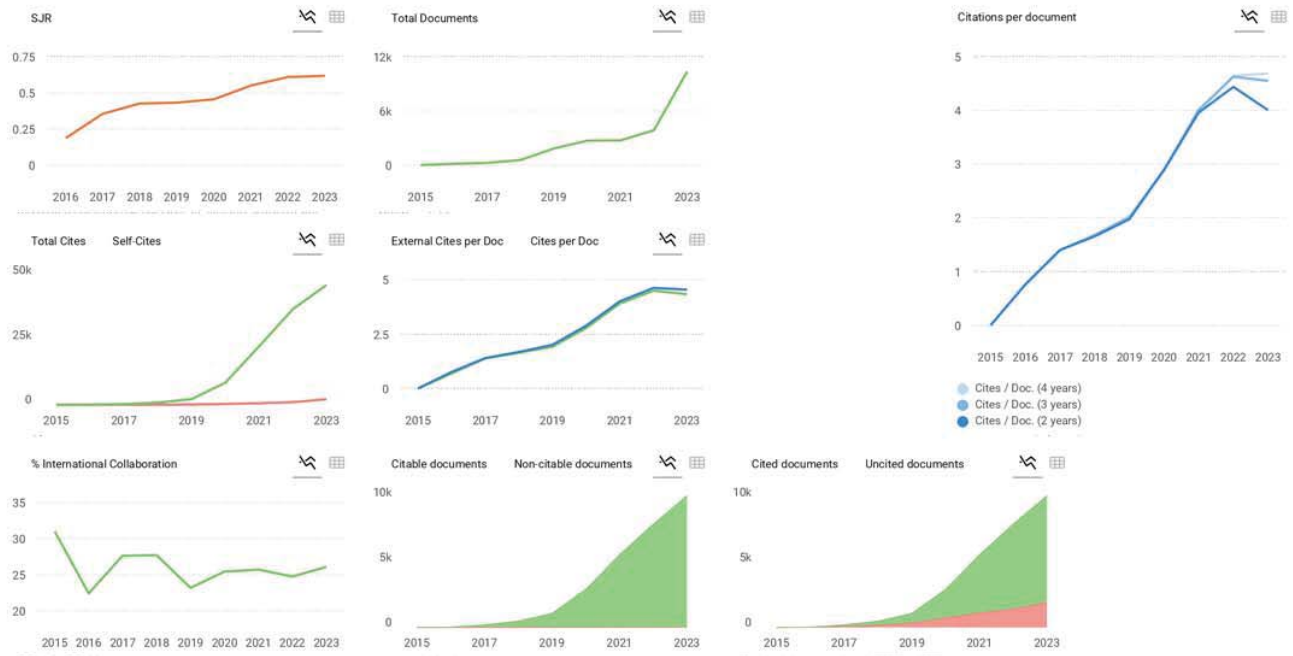
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