

RESEARCH ARTICLE

Search for Lead Compounds and *In Vitro* Assay of Potential Inhibitors of *Plasmodium falciparum* Prolyl-tRNA Synthetase from Natural Compound Database

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ABSTRACT:

Background: Malaria continues to be a serious problem in several countries, marked by an increase in the number of cases and a high morbidity rate. One of the commonly adopted strategies in drug discovery is by performing compound screening using computational tools, known as virtual screening. This technique allows one to screen multitudes of chemical compounds *in silico*, thus saving cost and time by reducing the amount of tested compound *in vitro*. Recently, *P. falciparum* prolyl-tRNA synthetase (PfPRS) is one of the top priority targets to be explored of potent inhibitors. This enzyme plays an important role in attaching L-proline into tRNA, which then will be incorporated into protein sequence. Its inhibition would halt the protein synthesis and kill the parasite. **Methods:** Hierarchical virtual screening was performed against PfPRS enzyme using 2D followed by 3D similarity method implemented in Infinisee 3.2.0 and SeeSAR 12.1.0, respectively. *1-(pyridin-4-yl)pyrrolidin-2-one* based analog, which was previously discovered as potent antimalarial agent, was used as template to screen potential hits from Molport Database of Purchasable Natural Product Compounds. Compounds with high similarity value were evaluated by molecular docking using SeeSAR 12.1.0 approach. The best scoring compounds were subjected into ADMET prediction, molecular dynamics simulation, and *in vitro* assay against *P. falciparum*. **Results:** Two compounds were obtained from virtual screening and molecular docking process, with predicted IC₅₀ value lies on micromolar and nanomolar range. These compounds also satisfy ADMET characteristics in general as well as showing stability during 100 ns molecular dynamics simulation. Bioassay study showed that both compounds yielded < 10 µg/mL inhibitory concentration. **Conclusion:** This study has discovered two novel compounds using *in silico* approach, which can be further developed as potential antimalarial agents.

KEYWORDS: Antimalarial, 3D7, Prolyl-tRNA synthetase, *Plasmodium falciparum*, Virtual screening.

INTRODUCTION:

Malaria continues to be a serious problem in several countries, marked by an increase in the number of cases and a high morbidity rate. This situation has been exacerbated by disruptions in healthcare services due to the COVID-19 pandemic¹. Until the year 2020, malaria was estimated to have caused 627,000 deaths and 241 million cases, with 77% of the deaths in children under 5 years old². Malaria could potentially experience a resurgence under conducive circumstances, and recurrence may manifest at any juncture in an individual's lifespan subsequent to infection with the

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parasite, even after successful treatment and clearance of parasitemia through the administration of antimalarial medication³. The World Health Organization (WHO) has set strategic goals to create a malaria vaccine with an efficacy of over 75% by the year 2030. However, this goal remains a significant challenge as the vaccines developed so far have not achieved the expected efficacy¹. In addition to vector control, artemisinin-based combination therapy (ACTs) has become the gold standard for treatment and has played a crucial role in malaria control for the past 20 years⁴. However, new issues have arisen as the *Plasmodium falciparum* parasite has become resistant to artemisinin in the Southeast Asia region^{5,6}, leading to a decrease in the efficacy of ACTs in malaria treatment^{7,8}. The heightened mortality and morbidity rates in malaria are principally attributed to the resistance exhibited by *P. falciparum* towards conventional antimalarial medications^{9,10}.

One of the commonly adopted strategies in drug discovery is by performing compound screening using computational tools, known as virtual screening. This technique has become an integral part of the process of designing and developing new drugs due to its advantages in terms of time and cost efficiency compared to conventional biological activity screening, thus conserving available resources¹¹. Protein target selection is crucial in virtual screening to ensure the compatibility of the results with in vitro and in vivo testing. MalDA (Malaria Drug Accelerator), an international consortium of 17 malaria research groups, has mapped out proteins important for malaria treatment across different priority levels¹². The highest level in this mapping is referred to as "high priority protein target," which signifies proteins with the highest validation level and great potential to become effective drug targets. Consequently, proteins at this level are worthy of prioritization as targets for testing in order to develop effective drugs. The criteria for suitability are supported by data indicating that these proteins play essential roles in the development or pathophysiology of malaria, affecting the survival and reproduction of *Plasmodium* parasites, and being selective for *Plasmodium* species.

One protein included in the high priority protein category according to the consortium is Prolyl-tRNA Synthetase (PRS), a type of enzyme belonging to the Aminoacyl-tRNA synthetase (aaRS) family. The PRS enzyme plays a crucial role in the protein translation process of *Plasmodium falciparum* by catalyzing the activation of proline via aminoacylation reaction with tRNA. This step is necessary to transfer the said amino acid to growing protein. Inhibiting the PRS enzyme would halt the replication and metabolic cycle of *Plasmodium* in the blood, thereby interrupting the progression of malaria¹³. One of the interesting inhibitors is the pyridine-pyrrolidinone group (Figure 1).

This class of compounds has recently been found to exhibit promising inhibitory activity against the PRS enzyme of *Plasmodium falciparum*. These compounds are believed to occupy the active site of ATP, a coenzyme that aids in the aminoacylation reaction between proline and tRNA¹⁴.

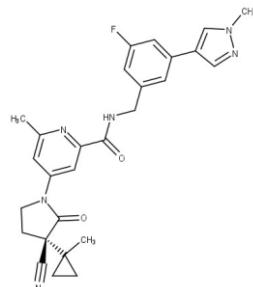


Figure 1. Structure of pyridine-pyrrolidinone based compound (Compound A) with high potency against PRS enzyme in *Plasmodium falciparum*.

This research is conducted to identify potential new drug compounds from natural sources that could inhibit the PRS enzyme. The process of selecting active compounds is carried out through virtual screening of hundreds of thousands of existing compounds, resulting in the identification of two lead compounds that exhibit high binding affinity with the PRS enzyme. Activity confirmation is performed through molecular dynamic simulations and in vitro tests on *Plasmodium*-infected blood cells. In addition, evaluation of various pharmacokinetics aspect was performed *in silico* to assess the feasibility of the compounds to be developed as oral drugs.

MATERIAL AND METHODS:

2D Similarity-based virtual screening:

Compound A in SMILES format was used as a template for 2D similarity-based virtual screening in infiniSee 3.2.0. This software applied Feature Trees algorithm, which represents molecules as a graph-like system. The alignment of screened molecule towards template provides a pattern of corresponding substructure, which then further evaluated based on their property to yield similarity score¹⁵. MolPort Purchasable Natural Compounds was used as a source for screened compounds. The number of compounds obtained from this step was limited to 500, which satisfied similarity threshold of 0.8 and total scaffold diversity to each other (*i.e.* Total Diversity = 1).

3D Similarity-based virtual screening:

Compound A (Figure 1), which was previously built in SMILES format, was converted into 3D structure and used as a template for 3D similarity-based virtual screening in SeeSAR 12.1.0 (BioSolveIT, 2022). This software implemented FlexS algorithm, which aligns 3D structure of template molecule with screened molecule

in an incremental fashion. The molecules were first decomposed into smaller fragments, then the first fragment of two molecules were aligned. These so-called anchor fragments were then added by the remaining respective fragments, and the alignment result was evaluated according to various parameters (e.g. intramolecular interaction, physicochemical properties, etc.)¹⁶. This approach was used to filter 500 compounds obtained from the previous step, with similarity score of 0.6 as minimum acceptable value.

Molecular Docking:

Molecular docking step was performed against prolyl-tRNA synthetase *P. falciparum* (PDB ID: 4YDQ)¹⁷ using SeeSAR version 12.1.0; BioSolveIT GmbH, Sankt Augustin, Germany, 2023, www.biosolveit.de/SeeSAR. Previously, the protein was prepared using PDB Reader module¹⁸ in CHARMM-GUI webserver¹⁹. This step was to ensure the completeness of amino acid residues in the protein. ATP binding site was defined as docking target, since it is postulated that compound A worked as enzyme inhibitor in the particular site¹⁴. The compounds obtained from the previous step were docked using FlexX algorithm. This algorithm works in an identical way with FlexS, in which the docked compound is partitioned into smaller fragments and slowly built back to its original structure. The evaluation of ligand fitness in binding site takes place at each fragment addition²⁰. In this study, each docked compound was expected to generate 20 binding poses which were then evaluated using HYDE scoring function. HYDE scoring function is able to not only estimate ligand binding affinity, but also visualize score contribution from each individual atom. In addition, this scoring function considers only hydrogen bond formation and desolvation energy between ligand-protein, without any specific weighting nor calibrated into specific target²¹. Ultimately, ligand-receptor interaction was evaluated using Discovery Studio Visualizer 2021.

Molecular Dynamics and MM-GBSA:

Molecular dynamics simulation was performed for best-scoring ligand-protein complex. The step was done in Gromacs 2021.3 for 100 ns. Ligand topology was constructed using General AMBER Force-Field (GAFF) ²² with the aid of ACPYPE²³, whereas the protein topology was built using AMBER99SB-ILDN²⁴. Protein-ligand complexes were built inside triclinic space and solvated with TIP3P water²⁵. Neutralization of the systems was achieved with the introduction of Na⁺ or Cl⁻ ions. NVT and NPT equilibrations were performed for 100 ps, prior to the production of molecular dynamics simulation. In addition, free energy binding calculation was also performed using MM-GBSA approach implemented in gmx_MMPSA²⁶. Complete simulation trajectories were used for the

calculation, where it consists of the molecular mechanics and solvation energy.

ADMET Evaluation:

ADMET parameters of best compounds were evaluated *in silico* using ADMETLab 2.0 webserver²⁷. Several aspects were checked such as drug-likeness using Lipinski rule of five²⁸ and Veber rule²⁹, absorption, blood-brain barrier penetration, cytochrome P₄₅₀ 3A4 interaction, half-life excretion, and hepatotoxicity parameters (human hepatotoxicity and drug induced liver injury).

Antimalarial Bioassay:

In this study, *Plasmodium falciparum* strain 3D7 (known for its sensitivity to chloroquine) was cultivated employing the Trager and Jensen method³⁰. The cultures were cultivated in human O+ red blood cells with 5% hematocrit in RPMI 1640 (Gibco BRL, USA) supplemented with 22.3mM HEPES (Sigma), hypoxanthine, sodium bicarbonate, and 10% human O+ plasma. As a positive control, chloroquine diphosphate was used. Antimalarial assay was conducted in a 24-well microplate. Each well was seeded with 1% initial and experimental parasitemia (1mL/well of suspension). The plates were then incubated in a multi gas incubator at 37°C for 48 hours. Following incubation, samples were gathered and used to create a thin smear on a glass slide, which was subsequently fixed with methanol and stained using Giemsa. Parasite count was observed under a microscope and juxtaposed with the negative control to determine the percentage of parasite growth inhibition. The IC₅₀ value was computed utilizing Probit Analysis³¹.

RESULT AND DISCUSSION:

Similarity-based virtual screening:

Similarity score is often used as an approach in virtual screening for its speed in producing result, particularly against large chemical database³². This approach works according to similar property principle, which stated that two similar molecules should possess identical bioactivity³³. Here, 2D and 3D similarity-based screening was implemented in hierarchical manner to filter the database into lesser number of compounds prior to further evaluation using a more rigorous method. These sequential approaches successfully yielded 14 hits, which satisfies the above-mentioned criteria (Table 1). Upon analyzing the result, it can be seen that majority of the hits possess spirocyclic moiety which are commonly found in natural product³⁴. In addition, two other motifs were obtained from this step, which is coumarin³⁵ and quinazolinone³⁶.

Molecular Docking :

Molecular docking is a part of structure-based drug design method, which can be used to estimate the interaction between ligand and specific binding site³⁷. This method was implemented in our subsequent step, where 14 compounds obtained were docked against ATP-binding site of *P. falciparum* prolyl-tRNA synthetase.^{14, 17} FlexX software had generated 280 docking poses, which then evaluated using HYDE algorithm. This method has yielded two most potential compounds which could possess antimalarial activity, based on their predicted bioactivity range (Compound 7 and Compound 9). HYDE algorithm provided estimated range of Ki value, from which Compound 7 yields micromolar activity and Compound 9 yields picomolar activity (Figure 1). It also provides mapping on each atom contribution to the final score, where green-colored atom indicating positive contribution, and red for negative one (Figure 2). Further analysis of overall molecular torsion shows that both docking pose were

found to be energetically favorable (Figure 2), indicating conformer stability in docking process³⁸. It was also found that both compounds were affected by both intra and intermolecular clash (Figure 3, yellow arrow). Upon visual inspection, steric clash was observed between carbonyl backbone of Ala476 and methyl moiety in methoxy group of two compounds. It is argued that replacement of methoxy group to hydroxyl could potentially eliminate this steric clash. Meanwhile, intramolecular clash was observed as shown in Figure 2 and functional group modification could also be performed to avoid the clash. HYDE algorithm also evaluated ligand-lipophilicity efficiency (LLE) value, where only Compound 9 yielded best result (Figure 2). This approach estimates the efficiency of ligand binding with respect to lipophilicity value. High LLE value means a ligand has low IC₅₀ without possessing exorbitant lipophilicity³⁹.

Table 1. Hit compounds obtained from 2D and 3D similarity-based virtual screening.

No	Hit Compounds		
1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7		14	

Figure 2. Molecular docking results using FlexX and HYDE approaches.

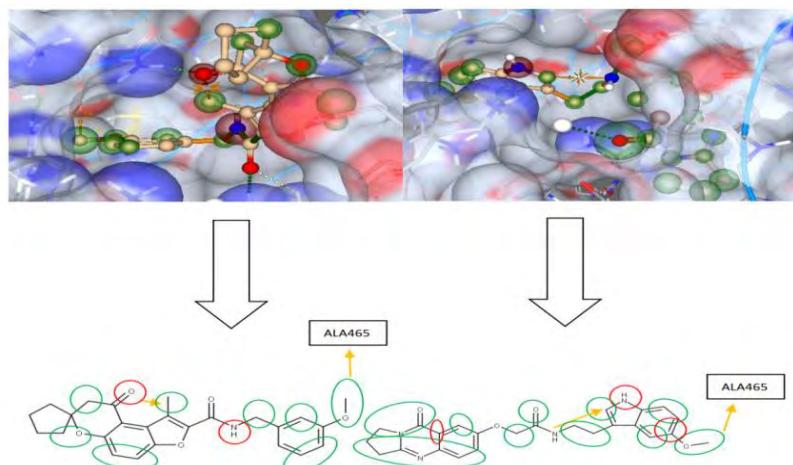


Figure 3. Docking pose and atomic contribution analysis in 3D and 2D of Compound 7 (left) and Compound 9 (right)

Table 2. Ligand-Receptor interaction observed in Discovery Studio Visualizer

Interaction	Compound 7	Compound 9
Hydrogen Bond	Arg390, Gln475, Thr478, Thr512	Arg390, Gln475, Thr478, His480, Thr512
C-H---O Hydrogen Bond	Ala476, Cys511	Glu338, Ala476, Cys511, Thr512
Metal Interaction (Mg^{2+})	-	C=O quinazolinone
π -Alkyl Interaction	Arg514	Phe335, Arg514
Alkyl-Alkyl Interaction	Arg514	Phe335, Pro358, Cys511, Arg514
π -Cation Interaction	-	Arg390
π - π Stacked Interaction	-	Phe335
Unfavorable Interaction	-	Glu452

Ultimately, specific ligand-protein interactions showed in Table 3. It can be seen that several amino acid residues play important role in ligand interaction, such as Arg390, Gln475, Thr478, His480, and Thr512 which makes hydrogen bond. It can also be seen that Compound 9 made a higher number of non-bonded interactions than Compound 7, which contributed to better docking score estimate. It is argued that tricyclic quinazolinone scaffold contributes to various hydrophobic and aromatic interactions with the binding site. However, Compound 9 also made metal interaction with magnesium cofactor, which was less observed in Compound X previously *via* molecular docking simulation⁴⁰. In addition, different results were obtained in terms of steric clash interpretation. Previously, FlexX-HYDE algorithm interpreted Ala476 interaction with methoxy moiety as intramolecular clash (Figure 3). On the contrary, Discovery Studio Visualizer indicated it as carbon-hydrogen bond interaction (C-H---O) (Table 2). Further studies are needed to verify the correctness of this finding, since this interaction can play a significant role in determining ligand-protein binding, even if it is weaker than any other interaction⁴¹.

Molecular Dynamics & MM-GBSA

Molecular dynamics simulation is often used as a tool to evaluate stability of ligand-protein binding⁴². Here, the two best docked complex were simulated for 100 ns in 298 K. The results indicated stability of both ligands during the simulation period, as can be seen from the

ligand RMSD plot (Figure 4). Meanwhile RMSF plot showed high peaks in catalytic domain, anti-codon binding domain, and C-terminal domain, which indicate high flexibility in those area¹⁷ (Figure 5). Subsequently, MM-GBSA calculation was performed in order to evaluate the ligand binding energy more accurately. As explained previously, MM-GBSA energy consists of the summation of molecular mechanics energy and solvation free energy (Generalized Born-Solvent Accessible Surface Area), which then subtracted by the change of conformational entropy⁴³. The results showed that free-binding energy value of both compounds are in accordance with their respective docking score, where Compound 9 scored lower than Compound 7.

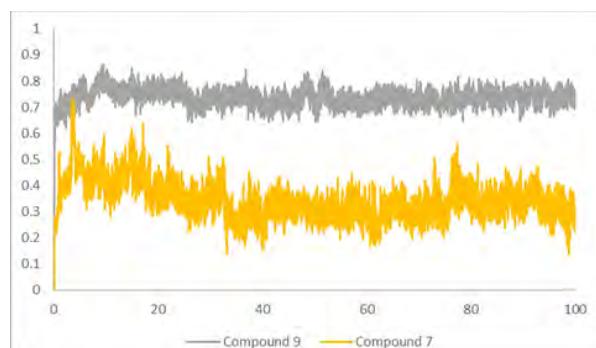


Figure 4. RMSD plot of compound 7 and 9 during 100 ns simulation (x-axis depicts simulation time (ns); y-axis depicts ligand RMSD (Å))

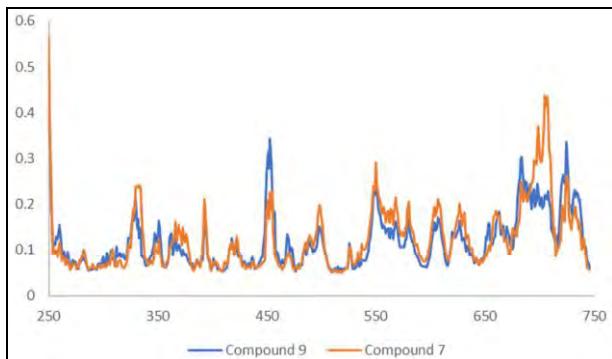


Figure 5. RMSF plot of compound 7 and 9 during 100 ns simulation (x-axis depicts amino acid residue number; y-axis depicts amino acid RMSD (Å))

Table 3. Free energy binding evaluation of compound 7 and 9

Delta Energy Component	Compound 7	Compound 9
Δ G Molecular-Mechanics	-57.54	-72.52
Δ G Solvation	23.58	19.94
Δ TOTAL	-33.97	-52.57

ADMET Evaluation:

ADMET evaluation of a hit compound from screening is a necessary step to avoid the late-stage attrition in drug discovery, since the failure of developing an effective compound often stems from inadequate ADMET characteristics. This approach is mostly used *in vitro* and *in vivo* assay and has been generally implemented in many pharmaceutical industries⁴⁴. *In silico* approach can also be employed in the preliminary study⁴⁵. In this study, both compound 7 and 9 were subjected to *in silico* drug-likeness and ADMET characterization. The majority of ADMETLab 2.0 results are presented in classification model using symbols (+) and (-) to indicate positive and negative probability, respectively. In addition, responses are categorized based on their probability score, where a more positive or negative symbol signifies a higher the probability of the corresponding result will take place²⁷.

Drug-likeness is a ‘rule-of-thumb’ concept to define chemical compounds that have sufficiently acceptable ADMET properties (Kerns & Di, 2007). Two widely used drug-likeness rules are Lipinski rule of five and Veber rule. Here, it can be seen that both compound 7 and 9 adhere to these rules. Further examination of ADMET results showed that both compounds exhibit

acceptable absorption parameters based on CaCo-2 permeability and do not penetrate the blood-brain barrier. However, both compounds are found to be potential inhibitors of cytochrome P450 3A4. Considering the pivotal role of 3A4 isoform in metabolism of approximately half of the drugs in use⁴⁶, additional confirmation through *in vitro* and *in vivo* assay is needed to evaluate the effect they might induce. Half-life value ($T_{1/2}$) presented in ADMETLab 2.0 is a probability score derived from the combination of clearance and volume of distribution, ranging from 0 (short half-life) to 1 (long half-life)²⁷. The results indicate that Compound 7 is predicted to possess shorter half-life than Compound 9, implying faster elimination rate. However, validation through pharmacokinetics assays is essential, given its impact on the dosing regimen. A drug with shorter half-life is more suitable for endemic areas, while the longer one is more adequate for prophylactic treatment⁴⁴. From hepatotoxicity prediction, it can be seen that all compound could be hepatotoxic. This potential issue needs to be addressed, as it could impact drug candidate development, especially in clinical trial and post-marketing surveillance phases.

Antimalarial Bioassay:

The Trager and Jensen culture method involved using candle jars or cell flasks containing human red blood cells in a culture solution along with human serum and a specific gas mix high in CO₂ and low in O₂. Creating an environment that mimics physiological conditions, including temperature change, immune reactions, and gas composition, is crucial for *in vitro*^{30,47}. In our *in vitro* study both compound 7 and compound 9 exhibited growth inhibition of the parasite in a concentration-dependent manner. The percentage inhibition data was further processed using Probit Analysis. From the testing, the IC₅₀ values of compound 7 and compound 9 were found to be 5.78±0.8µg/mL and 9.38±0.5µg/mL, respectively. This inhibition potential is still lower compared to chloroquine, the standard drug, which showed an IC₅₀ of 0.21±0.1µg/mL. However, both IC₅₀ values of the tested compounds indicate values <10 µg/mL, considered active and potentially useful in inhibiting the growth of *Plasmodium falciparum*⁴⁸.

Table 4. ADMET Parameters of Compound 7 and 9

Compo und	Drug-Likeness		Absorption	Distribution	Metabolism		Excreti on	Toxicity	
	Lipinski Rule of Five	Veber Rule	CaCo-2 Permeability	Blood-Brain Barrier Penetration	CYP 3A4 Substrate	CYP 3A4 Inhibitor		Human Hepatotoxicity	Drug Induced Liver Injury
Compound 7	Pass	Pass	-4.808	No (--)	No (--)	Yes (+++)	0.060	Yes (++)	Yes (++)
Compound 9	Pass	Pass	-5.130	No (--)	No (--)	Yes (+++)	0.459	Yes (++++)	Yes (++)

Table 5. IC₅₀ values of tested compounds against *P. falciparum* strain 3D7.

Compound name	% Inhibition at each concentration (µg/mL)						
	0 (negative control)	10	1	0.1	0.01	0.001	IC ₅₀
Compound 7	0	55.6±0.3	37.0±1.6	29.2±0.6	23.7±0.6	12.6±0.9	5.78±0.8
Compound 9	0	52.1±1.8	32.6±0.6	22.3±0.3	12.9±1.8	2.8±0.6	9.38±0.5
Chloroquine	0	111.5±1.7	66.8±0.8	42.4±0.3	24.6±0.1	10.8±0.1	0.21±0.1

CONCLUSION:

Two compounds were obtained from virtual screening and molecular docking process, with predicted IC₅₀ value lies on micromolar and nanomolar range. These compounds also satisfy ADMET characteristics in general as well as showing stability during 50 ns molecular dynamics simulation. Bioassay study showed that both compounds yielded <10 µg/mL inhibitory concentration, which can be further developed as potential antimalarial agents.

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Formulation and Assessment of Topical Gel containing Cassia occidentalis Extract for Anti-Candida Activity (AbstractView.aspx? PID=2025-18-2-1)

Author(s): Mahesh Prasad Singh, Nagendra Singh Chauhan, Ashish Baldi

DOI: 10.52711/0974-360X.2025.00069 (<https://www.doi.org/10.52711/0974-360X.2025.00069>)

Views: 0 (pdf), 1932 (html)

Access:  Closed Access

Cite: Mahesh Prasad Singh, Nagendra Singh Chauhan, Ashish Baldi. *Formulation and Assessment of Topical Gel containing Cassia occidentalis Extract for Anti-Candida Activity.* Research Journal of Pharmacy and Technology.2025;18(2):451-9. doi: 10.52711/0974-360X.2025.00069 (<https://www.doi.org/10.52711/0974-360X.2025.00069>)

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PID=2025-18-

2-1)

Recent Advancements in Ipomea batatas L. (Lam) Polysaccharides in Drug Delivery (AbstractView.aspx?PID=2025-18-2-10)

Author(s): Sanjay Jha, Anima Pandey

DOI: 10.52711/0974-360X.2025.00078 (<https://www.doi.org/10.52711/0974-360X.2025.00078>)

Views: 0 (pdf), 1141 (html)

Access:  Closed Access

Cite: Sanjay Jha, Anima Pandey. *Recent Advancements in Ipomea batatas L. (Lam) Polysaccharides in Drug Delivery.* Research Journal of Pharmacy and Technology.2025;18(2):522-8. doi: 10.52711/0974-360X.2025.00078 (<https://www.doi.org/10.52711/0974-360X.2025.00078>)

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Search for Lead Compounds and In Vitro Assay of Potential Inhibitors of Plasmodium falciparum Prolyl-tRNA Synthetase from Natural Compound Database (AbstractView.aspx?PID=2025-18-2-11)

Author(s): Rosita Handayani, Tegar Achsendo Yuniarta, Sukardiman, Aiyi Asnawi

DOI: 10.52711/0974-360X.2025.00079 (<https://www.doi.org/10.52711/0974-360X.2025.00079>)

Views: 0 (pdf), 1092 (html)

Access:  Closed Access

Cite: Rosita Handayani, Tegar Achsendo Yuniarta, Sukardiman, Aiyi Asnawi. Search for Lead Compounds and In Vitro Assay of Potential Inhibitors of Plasmodium falciparum Prolyl-tRNA Synthetase from Natural Compound Database. Research Journal of Pharmacy and Technology.2025;18(2):529-6. doi: 10.52711/0974-360X.2025.00079 (<https://www.doi.org/10.52711/0974-360X.2025.00079>)

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2-11)

Development, Statistical Optimization and Characterization of Ganciclovir Laden Ethyl Cellulose Nanoparticles: A 32 Factorial Design Approach (AbstractView.aspx?PID=2025-18-2-12)

Author(s): Susanta Paul, Subhabrota Majumdar, Mainak Chakraborty, Soumyadip Ghosh

DOI: 10.52711/0974-360X.2025.00080 (<https://www.doi.org/10.52711/0974-360X.2025.00080>)

Views: 0 (pdf), 1025 (html)

Access:  Closed Access

Cite: Susanta Paul, Subhabrota Majumdar, Mainak Chakraborty, Soumyadip Ghosh. Development, Statistical Optimization and Characterization of Ganciclovir Laden Ethyl Cellulose Nanoparticles: A 32 Factorial Design Approach. Research Journal of Pharmacy and Technology.2025;18(2):537-4. doi: 10.52711/0974-360X.2025.00080 (<https://www.doi.org/10.52711/0974-360X.2025.00080>)

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Fabrication of Drug Loaded Tissue Engineered Cornea with Collagen and Poly-lactic Glycolic acid (PLGA) Sandwich Hybrid Construct Electrospun Mat (AbstractView.aspx?PID=2025-18-2-13)

Author(s): R. Priyadharseni, Dhinesh. R, S. Nagalakshmi

DOI: 10.52711/0974-360X.2025.00081 (<https://www.doi.org/10.52711/0974-360X.2025.00081>)

Views: 0 (pdf), 838 (html)

Access:  Closed Access

Cite: R. Priyadharseni, Dhinesh. R, S. Nagalakshmi. *Fabrication of Drug Loaded Tissue Engineered Cornea with Collagen and Poly-lactic Glycolic acid (PLGA) Sandwich Hybrid Construct Electrospun Mat.* Research Journal of Pharmacy and Technology.2025;18(2):545-0. doi: 10.52711/0974-360X.2025.00081 (<https://www.doi.org/10.52711/0974-360X.2025.00081>)

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2-13)

Analysis of the Relationship between Medication Adherence and Quality of Life of Prolanis patients at First Level Health Facilities in Kendari City (AbstractView.aspx?PID=2025-18-2-14)

Author(s): Restu Nur Hasanah Haris, Wa Ode Masrida, Muhamad Ramadhan Salam, La Ode Liaumin Azim

DOI: 10.52711/0974-360X.2025.00082 (<https://www.doi.org/10.52711/0974-360X.2025.00082>)

Views: 0 (pdf), 839 (html)

Access:  Closed Access

Cite: Restu Nur Hasanah Haris, Wa Ode Masrida, Muhamad Ramadhan Salam, La Ode Liaumin Azim. *Analysis of the Relationship between Medication Adherence and Quality of Life of Prolanis patients at First Level Health Facilities in Kendari City.* Research Journal of Pharmacy and Technology.2025;18(2):551-6. doi: 10.52711/0974-360X.2025.00082 (<https://www.doi.org/10.52711/0974-360X.2025.00082>)

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A Novel Stability Indicating RP-HPLC Analytical Method Development and Validation for the Determination of Tepotinib in Bulk and Pharmaceutical Dosage Form (AbstractView.aspx?PID=2025-18-2-15)

Author(s): Ramya Kuber Banoth, Poojitha Nalluri, Swetha Addanki, Theja Indireddy, Jeeva Soundarajan

DOI: 10.52711/0974-360X.2025.00083 (<https://www.doi.org/10.52711/0974-360X.2025.00083>)

Views: 0 (pdf), 1244 (html)

Access:  Closed Access

Cite: Ramya Kuber Banoth, Poojitha Nalluri, Swetha Addanki, Theja Indireddy, Jeeva Soundarajan. A Novel Stability Indicating RP-HPLC Analytical Method Development and Validation for the Determination of Tepotinib in Bulk and Pharmaceutical Dosage Form. Research Journal of Pharmacy and Technology.2025;18(2):557-2. doi: 10.52711/0974-360X.2025.00083 (<https://www.doi.org/10.52711/0974-360X.2025.00083>)

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2-15)

Drug likeness Properties ADME/T Analysis and Thrombolytic Activity of Phenolic Compounds in Allium sativum peel Extract - In-silico Approach (AbstractView.aspx?PID=2025-18-2-16)

Author(s): M. Nagabharathi, Sampara Meera Bai

DOI: 10.52711/0974-360X.2025.00084 (<https://www.doi.org/10.52711/0974-360X.2025.00084>)

Views: 0 (pdf), 938 (html)

Access:  Closed Access

Cite: M. Nagabharathi, Sampara Meera Bai. Drug likeness Properties ADME/T Analysis and Thrombolytic Activity of Phenolic Compounds in Allium sativum peel Extract - In-silico Approach. Research Journal of Pharmacy and Technology.2025;18(2):563-0. doi: 10.52711/0974-360X.2025.00084 (<https://www.doi.org/10.52711/0974-360X.2025.00084>)

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Phytochemical Investigation by GC-MS and Antimicrobial Activities of Boswellia carterii Extract by Accelerated Solvent Extraction (AbstractView.aspx?PID=2025-18-2-17)

Author(s): H. Damour, M. Oussekkour, Z. Mennane, S. El Hajaji

DOI: 10.52711/0974-360X.2025.00085 (<https://www.doi.org/10.52711/0974-360X.2025.00085>)

Views: 0 (pdf), 1022 (html)

Access:  Closed Access

Cite: H. Damour, M. Oussekkour, Z. Mennane, S. El Hajaji. Phytochemical Investigation by GC-MS and Antimicrobial Activities of *Boswellia carterii* Extract by Accelerated Solvent Extraction. Research Journal of Pharmacy and Technology.2025;18(2):571-8. doi: 10.52711/0974-360X.2025.00085 (<https://www.doi.org/10.52711/0974-360X.2025.00085>)

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HR-LCMS and FTIR characterization of bioactive components of Turbinaria ornata (AbstractView.aspx?PID=2025-18-2-18)

Author(s): Mohini Salunke, Preeti Mane, Smita Kumbhar, Balaji Wakure

DOI: 10.52711/0974-360X.2025.00086 (<https://www.doi.org/10.52711/0974-360X.2025.00086>)

Views: 0 (pdf), 1021 (html)

Access:  Closed Access

Cite: Mohini Salunke, Preeti Mane, Smita Kumbhar, Balaji Wakure. HR-LCMS and FTIR characterization of bioactive components of *Turbinaria ornata*. Research Journal of Pharmacy and Technology.2025;18(2):579-4. doi: 10.52711/0974-360X.2025.00086 (<https://www.doi.org/10.52711/0974-360X.2025.00086>)

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Author(s): Inarah Fajriaty, Siti Nani Nurnaeti, Hariyanto IH, Hadi Kurniawan, Fajar Nugraha, Rizki Kurnia Agus Putra

DOI: 10.52711/0974-360X.2025.00087 (<https://www.doi.org/10.52711/0974-360X.2025.00087>)

Views: 0 (pdf), 1371 (html)

Access:  Closed Access

Cite: Inarah Fajriaty, Siti Nani Nurnaeti, Hariyanto IH, Hadi Kurniawan, Fajar Nugraha, Rizki Kurnia Agus Putra. Effectiveness of Tengkawang Fruit Extract (*Shorea stenoptera* Burck), Virgin Coconut Oil and Astaxanthin to Albumin, Total Protein and Hemoglobin in Malnourished Animal Model as Antistunting Supplement. Research Journal of Pharmacy and Technology.2025;18(2):585-3. doi: 10.52711/0974-360X.2025.00087 (<https://www.doi.org/10.52711/0974-360X.2025.00087>)

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In vitro Identification of the Iron-Chelating Potential of Kwini Mango (*Mangifera odorata* Griff) Leaf Extract in Iron Overload Cases (AbstractView.aspx?PID=2025-18-2-2)

Author(s): Titi Pudji Rahayu, Hari Susanti, Sapto Yuliani

DOI: 10.52711/0974-360X.2025.00070 (<https://www.doi.org/10.52711/0974-360X.2025.00070>)

Views: 0 (pdf), 923 (html)

Access:  Closed Access

Cite: Titi Pudji Rahayu, Hari Susanti, Sapto Yuliani. In vitro Identification of the Iron-Chelating Potential of Kwini Mango (*Mangifera odorata* Griff) Leaf Extract in Iron Overload Cases. Research Journal of Pharmacy and Technology.2025;18(2):460-6. doi: 10.52711/0974-360X.2025.00070 (<https://www.doi.org/10.52711/0974-360X.2025.00070>)

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Stability Indicating RP-HPLC Method for Simultaneous Estimation of Nirmatrelvir and Ritonavir in Bulk and Tablets (AbstractView.aspx? PID=2025-18-2-20)

Author(s): M. Sindhu, Mohammed Farana, M. Bhavani, Santhoshi Priya Dandamudi, Shanthi Priya D K, Vasudha Bakshi

DOI: 10.52711/0974-360X.2025.00088 (<https://www.doi.org/10.52711/0974-360X.2025.00088>)

Views: 0 (pdf), 1023 (html)

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Cite: M. Sindhu, Mohammed Farana, M. Bhavani, Santhoshi Priya Dandamudi, Shanthi Priya D K, Vasudha Bakshi. Stability Indicating RP-HPLC Method for Simultaneous Estimation of Nirmatrelvir and Ritonavir in Bulk and Tablets. Research Journal of Pharmacy and Technology.2025;18(2):594-8. doi: 10.52711/0974-360X.2025.00088 (<https://www.doi.org/10.52711/0974-360X.2025.00088>)

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Non-Beta-Blocker Medications with Beta-Blocker Like Properties: A Systematic Review of Side Effects. (AbstractView.aspx? PID=2025-18-2-21)

Author(s): Hany A. Al-hussaniy, Dhuha Mahdi Noori, Faizul Azam, Zahraa Salam Al-Tameemi, Fatima Akeel Naji, Mazin Mohammed Jwaid, Ali Hikmat Alburghaif

DOI: 10.52711/0974-360X.2025.00089 (<https://www.doi.org/10.52711/0974-360X.2025.00089>)

Views: 0 (pdf), 1032 (html)

Access:  Closed Access

Cite: Hany A. Al-hussaniy, Dhuha Mahdi Noori, Faizul Azam, Zahraa Salam Al-Tameemi, Fatima Akeel Naji, Mazin Mohammed Jwaid, Ali Hikmat Alburghaif. Non-Beta-Blocker Medications with Beta-Blocker Like Properties: A Systematic Review of Side Effects.. Research Journal of Pharmacy and Technology.2025;18(2):599-5. doi: 10.52711/0974-360X.2025.00089 (<https://www.doi.org/10.52711/0974-360X.2025.00089>)

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Controlled Clinical study of Mehamudgar Vatika in Prameha with special reference to Prediabetes (AbstractView.aspx? PID=2025-18-2-22)

Author(s): Sonal A. Shah, Gunvant H. Yeola, Priyadarshini Mohite, Abhijeet P. Shah, Santosh I. Swami, Dhanwantari H. Jha

DOI: 10.52711/0974-360X.2025.00090 (<https://www.doi.org/10.52711/0974-360X.2025.00090>)

Views: 0 (pdf), 996 (html)

Access:  Closed Access

Cite: Sonal A. Shah, Gunvant H. Yeola, Priyadarshini Mohite, Abhijeet P. Shah, Santosh I. Swami, Dhanwantari H. Jha. Controlled Clinical study of Mehamudgar Vatika in Prameha with special reference to Prediabetes. Research Journal of Pharmacy and Technology.2025;18(2):606-2. doi: 10.52711/0974-360X.2025.00090 (<https://www.doi.org/10.52711/0974-360X.2025.00090>)

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Cost Analysis of AC Treatment Compared to TAC in Breast Cancer patients at the Regional General Hospital of West Nusa Tenggara Province, Indonesia (AbstractView.aspx?PID=2025-18-2-23)

Author(s): Baiq Dyah Laili Isro, Cyntiya Rahmawati, Baiq Lenysia Puspita Anjani, Iche Rahma Saputri, Suriatin Juhaeniq

DOI: 10.52711/0974-360X.2025.00091 (<https://www.doi.org/10.52711/0974-360X.2025.00091>)

Views: 0 (pdf), 887 (html)

Access:  Closed Access

Cite: Baiq Dyah Laili Isro, Cyntiya Rahmawati, Baiq Lenysia Puspita Anjani, Iche Rahma Saputri, Suriatin Juhaeniq. Cost Analysis of AC Treatment Compared to TAC in Breast Cancer patients at the Regional General Hospital of West Nusa Tenggara Province, Indonesia. Research Journal of Pharmacy and Technology.2025;18(2):613-8. doi: 10.52711/0974-360X.2025.00091 (<https://www.doi.org/10.52711/0974-360X.2025.00091>)

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Anti-diabetic and Anti-inflammatory activities of Various Green Solvent Extracts of Ficus drupacea Leaves (AbstractView.aspx? PID=2025-18-2-24)

Author(s): Palak Kansal, Abha Shukla

DOI: 10.52711/0974-360X.2025.00092 (<https://www.doi.org/10.52711/0974-360X.2025.00092>)

Views: 0 (pdf), 1026 (html)

Access:  Closed Access

Cite: Palak Kansal, Abha Shukla. *Anti-diabetic and Anti-inflammatory activities of Various Green Solvent Extracts of Ficus drupacea Leaves.* Research Journal of Pharmacy and Technology.2025;18(2):619-4. doi: 10.52711/0974-360X.2025.00092 (<https://www.doi.org/10.52711/0974-360X.2025.00092>)

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PID=2025-18-
2-24)

Hepatoprotective Activity of Lathyrus sativus Leaf Extract in Paracetamol-Induced Hepatotoxic Rats (AbstractView.aspx? PID=2025-18-2-25)

Author(s): Dipendra Nirmalkar, Aarti Tiwari, Gulshan Athbhaiya, Pradeep Kumar Samal

DOI: 10.52711/0974-360X.2025.00093 (<https://www.doi.org/10.52711/0974-360X.2025.00093>)

Views: 0 (pdf), 891 (html)

Access:  Closed Access

Cite: Dipendra Nirmalkar, Aarti Tiwari, Gulshan Athbhaiya, Pradeep Kumar Samal. *Hepatoprotective Activity of Lathyrus sativus Leaf Extract in Paracetamol-Induced Hepatotoxic Rats.* Research Journal of Pharmacy and Technology.2025;18(2):625-1. doi: 10.52711/0974-360X.2025.00093 (<https://www.doi.org/10.52711/0974-360X.2025.00093>)

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A Randomised Test Comparing Serum hs-CRP and hs-Troponin Concentration when Prilocaine 2% and Hyperbaric Lidocaine 5% are Used in Cystoscopy (AbstractView.aspx?PID=2025-18-2-26)

Author(s): Purwoko, Bambang Novianto Putro, Ageng Sunjoyo, Septian Adi Permana

DOI: 10.52711/0974-360X.2025.00094 (<https://www.doi.org/10.52711/0974-360X.2025.00094>)

Views: 0 (pdf), 964 (html)

Access:  Closed Access

Cite: Purwoko, Bambang Novianto Putro, Ageng Sunjoyo, Septian Adi Permana. A Randomised Test Comparing Serum hs-CRP and hs-Troponin Concentration when Prilocaine 2% and Hyperbaric Lidocaine 5% are Used in Cystoscopy. Research Journal of Pharmacy and Technology.2025;18(2):632-8. doi: 10.52711/0974-360X.2025.00094 (<https://www.doi.org/10.52711/0974-360X.2025.00094>)

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A Validated Stability Indicating High Performance Liquid Chromatographic Method for determination of impurities in Empagliflozin Film Coated Tablets (AbstractView.aspx? PID=2025-18-2-27)

Author(s): Amruta Sainath Patil, Amrutkar Sunil V, Nalwade Santaji, Abhijit Bhausaheb Patil

DOI: 10.52711/0974-360X.2025.00095 (<https://www.doi.org/10.52711/0974-360X.2025.00095>)

Views: 0 (pdf), 909 (html)

Access:  Closed Access

Cite: Amruta Sainath Patil, Amrutkar Sunil V, Nalwade Santaji, Abhijit Bhausaheb Patil. A Validated Stability Indicating High Performance Liquid Chromatographic Method for determination of impurities in Empagliflozin Film Coated Tablets. Research Journal of Pharmacy and Technology.2025;18(2):639-6. doi: 10.52711/0974-360X.2025.00095 (<https://www.doi.org/10.52711/0974-360X.2025.00095>)

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(AbstractView.aspx?

PID=2025-18-

2-27)

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Pharmacological Evaluation of Pandanus fascicularis Lam. Root Extracts (AbstractView.aspx?PID=2025-18-2-28)

Author(s): Farhana Alam Ripa, Fahmida Haque Riya, Fowzia Alam, Nishat Zareen Khair, Raushanara Akter, Yesmin Begum, Shafiqul Islam, Ashfaq Ahmed

DOI: 10.52711/0974-360X.2025.00096 (<https://www.doi.org/10.52711/0974-360X.2025.00096>)

Views: 0 (pdf), 1132 (html)

Access:  Closed Access

Cite: Farhana Alam Ripa, Fahmida Haque Riya, Fowzia Alam, Nishat Zareen Khair, Raushanara Akter, Yesmin Begum, Shafiqul Islam, Ashfaq Ahmed. *Pharmacological Evaluation of Pandanus fascicularis Lam. Root Extracts.* Research Journal of Pharmacy and Technology.2025;18(2):647-5. doi: 10.52711/0974-360X.2025.00096 (<https://www.doi.org/10.52711/0974-360X.2025.00096>)

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(AbstractView.aspx?

PID=2025-18-

2-28)

Determination of Melamine in Dry Milk by New Infrared Spectroscopy Method (AbstractView.aspx?PID=2025-18-2-29)

Author(s): Shuaib Alahmad

DOI: 10.52711/0974-360X.2025.00097 (<https://www.doi.org/10.52711/0974-360X.2025.00097>)

Views: 0 (pdf), 979 (html)

Access:  Closed Access

Cite: Shuaib Alahmad. *Determination of Melamine in Dry Milk by New Infrared Spectroscopy Method.* Research Journal of Pharmacy and Technology.2025;18(2):656-0. doi: 10.52711/0974-360X.2025.00097 (<https://www.doi.org/10.52711/0974-360X.2025.00097>)

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PID=2025-18-

2-29)

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Factors Influencing Sleep Disturbances among Critical Care Nurses: A Cross-Sectional Study (AbstractView.aspx?PID=2025-18-2-3)

Author(s): Maha Subih, Rami A. Elshatarat, Anas Alsharawneh, Haya Albana, Raid Abu Jebbeh, Fatima Sabri Aryan, Bayan Ahmad Oleimat, Dena Eltabey Sobeh, Mudathir M. Eltayeb, Zyad T. Saleh

DOI: 10.52711/0974-360X.2025.00071 (<https://www.doi.org/10.52711/0974-360X.2025.00071>)

Views: 0 (pdf), 1087 (html)

Access:  Closed Access

Cite: Maha Subih, Rami A. Elshatarat, Anas Alsharawneh, Haya Albana, Raid Abu Jebbeh, Fatima Sabri Aryan, Bayan Ahmad Oleimat, Dena Eltabey Sobeh, Mudathir M. Eltayeb, Zyad T. Saleh. *Factors Influencing Sleep Disturbances among Critical Care Nurses: A Cross-Sectional Study*. Research Journal of Pharmacy and Technology.2025;18(2):467-4. doi: 10.52711/0974-360X.2025.00071 (<https://www.doi.org/10.52711/0974-360X.2025.00071>)

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(AbstractView.aspx?

PID=2025-18-

2-3)

The Rationality of Antibiotic use Based on Qualitative Parameters in Community-acquired Pneumonia Therapy at General Hospital, Indonesia (AbstractView.aspx?PID=2025-18-2-30)

Author(s): Rosaria Ika Pratiwi, Agung Endro Nugroho, Ika Puspitasari, Tri Murti Andayani

DOI: 10.52711/0974-360X.2025.00098 (<https://www.doi.org/10.52711/0974-360X.2025.00098>)

Views: 0 (pdf), 1287 (html)

Access:  Closed Access

Cite: Rosaria Ika Pratiwi, Agung Endro Nugroho, Ika Puspitasari, Tri Murti Andayani. *The Rationality of Antibiotic use Based on Qualitative Parameters in Community-acquired Pneumonia Therapy at General Hospital, Indonesia*. Research Journal of Pharmacy and Technology.2025;18(2):661-0. doi: 10.52711/0974-360X.2025.00098 (<https://www.doi.org/10.52711/0974-360X.2025.00098>)

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(AbstractView.aspx?

PID=2025-18-

2-30)

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Exploring the anti-asthmatic and anti-inflammatory potencies of Calotropis gigantea Linn flower extracts (AbstractView.aspx? PID=2025-18-2-31)

Author(s): Raosaheb Y. Ghegade, Vishal B. Jadhav, Anilkumar N. Aher, Pramod N. Katkade

DOI: 10.52711/0974-360X.2025.00099 (<https://www.doi.org/10.52711/0974-360X.2025.00099>)

Views: 0 (pdf), 1001 (html)

Access:  Closed Access

Cite: Raosaheb Y. Ghegade, Vishal B. Jadhav, Anilkumar N. Aher, Pramod N. Katkade. *Exploring the anti-asthmatic and anti-inflammatory potencies of Calotropis gigantea Linn flower extracts.* Research Journal of Pharmacy and Technology.2025;18(2):671-6. doi: 10.52711/0974-360X.2025.00099 (<https://www.doi.org/10.52711/0974-360X.2025.00099>)

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(AbstractView.aspx?

PID=2025-18-

2-31)

The α-Mangostin and Hyperbaric Oxygen Therapy: Catalysts of Bone Growth Factors Regeneration in Alveolar Bone After Orthodontic Retraction (AbstractView.aspx?PID=2025-18-2-32)

Author(s): Oryce Zahara, Endah Mardiaty, Ani Melani Maskoen, Ganesha Wandawa

DOI: 10.52711/0974-360X.2025.00100 (<https://www.doi.org/10.52711/0974-360X.2025.00100>)

Views: 0 (pdf), 791 (html)

Access:  Closed Access

Cite: Oryce Zahara, Endah Mardiaty, Ani Melani Maskoen, Ganesha Wandawa. *The α-Mangostin and Hyperbaric Oxygen Therapy: Catalysts of Bone Growth Factors Regeneration in Alveolar Bone After Orthodontic Retraction.* Research Journal of Pharmacy and Technology.2025;18(2):677-3. doi: 10.52711/0974-360X.2025.00100 (<https://www.doi.org/10.52711/0974-360X.2025.00100>)

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PID=2025-18-

2-32)

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A Study to Evaluate the Effectiveness of Balance Exercise in Improving hand to Eye Coordination among University Students in Selangor (AbstractView.aspx?PID=2025-18-2-33)

Author(s): Kiruthika Selvakumar, Ong Wesley, Deepak Thazhakkattu Vasu

DOI: 10.52711/0974-360X.2025.00101 (<https://www.doi.org/10.52711/0974-360X.2025.00101>)

Views: 0 (pdf), 974 (html)

Access:  Closed Access

Cite: Kiruthika Selvakumar, Ong Wesley, Deepak Thazhakkattu Vasu. *A Study to Evaluate the Effectiveness of Balance Exercise in Improving hand to Eye Coordination among University Students in Selangor.*

Research Journal of Pharmacy and Technology.2025;18(2):684-0. doi: 10.52711/0974-360X.2025.00101 (<https://www.doi.org/10.52711/0974-360X.2025.00101>)

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(AbstractView.aspx?

PID=2025-18-

2-33)

Development of the Composition and Technology of a gel with extract of Portulaca oleracea L. (AbstractView.aspx?PID=2025-18-2-34)

Author(s): Karlygash T. Raganina, Meruyert I. Tleubayeva, Raisa M. Abdullabekova, Nurgali A. Rakhybayev, Elmira N. Kapsalyamova, Gaukhar I. Yeshenkulova

DOI: 10.52711/0974-360X.2025.00102 (<https://www.doi.org/10.52711/0974-360X.2025.00102>)

Views: 0 (pdf), 1078 (html)

Access:  Closed Access

Cite: Karlygash T. Raganina, Meruyert I. Tleubayeva, Raisa M. Abdullabekova, Nurgali A. Rakhybayev, Elmira N. Kapsalyamova, Gaukhar I. Yeshenkulova. *Development of the Composition and Technology of a gel with extract of Portulaca oleracea L. Research Journal of Pharmacy and Technology.2025;18(2):691-8. doi: 10.52711/0974-360X.2025.00102* (<https://www.doi.org/10.52711/0974-360X.2025.00102>)

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(AbstractView.aspx?

PID=2025-18-

2-34)

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New Derivative UV Spectroscopic Method for Determination of Enrofloxacin in Milk (AbstractView.aspx?PID=2025-18-2-35)

Author(s): Nazira Sarkis, Mustafa Sawass

DOI: 10.52711/0974-360X.2025.00103 (<https://www.doi.org/10.52711/0974-360X.2025.00103>)

Views: 0 (pdf), 838 (html)

Access:  Closed Access

Cite: Nazira Sarkis, Mustafa Sawass. *New Derivative UV Spectroscopic Method for Determination of Enrofloxacin in Milk*. *Research Journal of Pharmacy and Technology*.2025;18(2):699-5. doi: 10.52711/0974-360X.2025.00103 (<https://www.doi.org/10.52711/0974-360X.2025.00103>)

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(AbstractView.aspx?

PID=2025-18-

2-35)

Antimicrobial Myrtle Oil Nanoemulgel for Bacterial skin and Soft Tissue Infections (AbstractView.aspx?PID=2025-18-2-36)

Author(s): Hayder Kadhim Drais, Abdulla K. Raheem, Falah H. Ihmedee, Yahya K. Neamah, Maytham Ahmed Abdul A Emah, Ameer S. Sahib

DOI: 10.52711/0974-360X.2025.00104 (<https://www.doi.org/10.52711/0974-360X.2025.00104>)

Views: 0 (pdf), 890 (html)

Access:  Closed Access

Cite: Hayder Kadhim Drais, Abdulla K. Raheem, Falah H. Ihmedee, Yahya K. Neamah, Maytham Ahmed Abdul A Emah, Ameer S. Sahib. *Antimicrobial Myrtle Oil Nanoemulgel for Bacterial skin and Soft Tissue Infections*. *Research Journal of Pharmacy and Technology*.2025;18(2):706-2. doi: 10.52711/0974-360X.2025.00104 (<https://www.doi.org/10.52711/0974-360X.2025.00104>)

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(AbstractView.aspx?

PID=2025-18-

2-36)

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The Effect of Mangosteen Peel (*Garcinia mangostana* L) Extract on the Expression of BMP2, ALP, and FGF2 in the Periodontal Remodeling Process During Orthodontic Tooth Movement (AbstractView.aspx?PID=2025-18-2-37)

Author(s): Herniyati, Leliana Sandra Devi Putri, Noengki Prameswari

DOI: 10.52711/0974-360X.2025.00105 (<https://www.doi.org/10.52711/0974-360X.2025.00105>)

Views: 0 (pdf), 876 (html)

Access:  Closed Access

Cite: Herniyati, Leliana Sandra Devi Putri, Noengki Prameswari. *The Effect of Mangosteen Peel (*Garcinia mangostana* L) Extract on the Expression of BMP2, ALP, and FGF2 in the Periodontal Remodeling Process During Orthodontic Tooth Movement.* Research Journal of Pharmacy and Technology.2025;18(2):713-9. doi: 10.52711/0974-360X.2025.00105 (<https://www.doi.org/10.52711/0974-360X.2025.00105>)

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(AbstractView.aspx?

PID=2025-18-
2-37)

Differences in the Effects of Topical and Systemic *Lactobacillus Casei* Shirota Probiotics on Plasma Cell and Macrophage Numbers in Traumatic Ulcer Healing in Wistar Rats (*Rattus Norvegicus*) (AbstractView.aspx?PID=2025-18-2-38)

Author(s): Ika Febryana, Chiquita Prahasanti, Lambang Bargowo, Rindu Damayanti, Rini Devijanti Ridwan, Diah Savitri E

DOI: 10.52711/0974-360X.2025.00106 (<https://www.doi.org/10.52711/0974-360X.2025.00106>)

Views: 0 (pdf), 908 (html)

Access:  Closed Access

Cite: Ika Febryana, Chiquita Prahasanti, Lambang Bargowo, Rindu Damayanti, Rini Devijanti Ridwan, Diah Savitri E. *Differences in the Effects of Topical and Systemic *Lactobacillus Casei* Shirota Probiotics on Plasma Cell and Macrophage Numbers in Traumatic Ulcer Healing in Wistar Rats (*Rattus Norvegicus*).* Research Journal of Pharmacy and Technology.2025;18(2):720-4. doi: 10.52711/0974-360X.2025.00106 (<https://www.doi.org/10.52711/0974-360X.2025.00106>)

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(AbstractView.aspx?

PID=2025-18-
2-38)

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In vitro antimicrobial activity of Frankincense combined with Turmeric extract (AbstractView.aspx?PID=2025-18-2-39)

Author(s): *Ruaya Khalid Alhashimi, Zainab Jaber Almujaini, Shahad Ahmed Elbasri, Md Jawaid Akhtar, Mohammad Abobakr Al-Ghazali*

DOI: [10.52711/0974-360X.2025.00107](https://www.doi.org/10.52711/0974-360X.2025.00107) (<https://www.doi.org/10.52711/0974-360X.2025.00107>)

Views: 0 (pdf), 921 (html)

Access:  Closed Access

Cite: *Ruaya Khalid Alhashimi, Zainab Jaber Almujaini, Shahad Ahmed Elbasri, Md Jawaid Akhtar, Mohammad Abobakr Al-Ghazali. In vitro antimicrobial activity of Frankincense combined with Turmeric extract. Research Journal of Pharmacy and Technology.2025;18(2):725-0. doi: 10.52711/0974-360X.2025.00107* (<https://www.doi.org/10.52711/0974-360X.2025.00107>)

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PID=2025-18-

2-39)

Synthesis of Streptomycin Conjugated Silver Nanoparticles using Azadirachta indica (neem) Leaf Extract and their Antimicrobial Potency of against Multidrug Resistant Staphylococcus aureus (AbstractView.aspx?PID=2025-18-2-4)

Author(s): *Malini B Puttaraju, Raghu S Holalkere, Raghavendra S Nagaraju, Soura Rajeshwara, Rajeshwara Achur*

DOI: [10.52711/0974-360X.2025.00072](https://www.doi.org/10.52711/0974-360X.2025.00072) (<https://www.doi.org/10.52711/0974-360X.2025.00072>)

Views: 0 (pdf), 803 (html)

Access:  Closed Access

Cite: *Malini B Puttaraju, Raghu S Holalkere, Raghavendra S Nagaraju, Soura Rajeshwara, Rajeshwara Achur. Synthesis of Streptomycin Conjugated Silver Nanoparticles using Azadirachta indica (neem) Leaf Extract and their Antimicrobial Potency of against Multidrug Resistant Staphylococcus aureus. Research Journal of Pharmacy and Technology.2025;18(2):475-0. doi: 10.52711/0974-360X.2025.00072* (<https://www.doi.org/10.52711/0974-360X.2025.00072>)

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(AbstractView.aspx?

PID=2025-18-

2-4)

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Automated Classification of Cells from Bone Marrow Cytology with Deep Learning (AbstractView.aspx?PID=2025-18-2-40)

Author(s): Khushi Shah, Kanika Nadar, Prashasti Kanikar

DOI: 10.52711/0974-360X.2025.00108 (<https://www.doi.org/10.52711/0974-360X.2025.00108>)

Views: 0 (pdf), 1032 (html)

Access:  Closed Access

Cite: Khushi Shah, Kanika Nadar, Prashasti Kanikar. *Automated Classification of Cells from Bone Marrow Cytology with Deep Learning*. Research Journal of Pharmacy and Technology.2025;18(2):731-8. doi: 10.52711/0974-360X.2025.00108 (<https://www.doi.org/10.52711/0974-360X.2025.00108>)

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(AbstractView.aspx?

PID=2025-18-

2-40)

Coffea canephora var. Robusta Modulates Testosterone and CRISP-1 Levels in STZ-Induced Diabetic Rats (AbstractView.aspx? PID=2025-18-2-41)

Author(s): Yohana A. Sinaga, Hadyanto Lim, Jekson Martiar Siahaan

DOI: 10.52711/0974-360X.2025.00109 (<https://www.doi.org/10.52711/0974-360X.2025.00109>)

Views: 0 (pdf), 871 (html)

Access:  Closed Access

Cite: Yohana A. Sinaga, Hadyanto Lim, Jekson Martiar Siahaan. Coffea canephora var. Robusta Modulates Testosterone and CRISP-1 Levels in STZ-Induced Diabetic Rats. Research Journal of Pharmacy and Technology.2025;18(2):739-3. doi: 10.52711/0974-360X.2025.00109 (<https://www.doi.org/10.52711/0974-360X.2025.00109>)

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PID=2025-18-

2-41)

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Identification and Biological activity of leaf extracts from *Mallotus barbatus* Muell. - Arg. in Lam Dong province, Vietnam (AbstractView.aspx?PID=2025-18-2-42)

Author(s): Chung Dinh Duong, Chau Nguyen Thi Bao, Linh Dinh Thi Lan, Yen Thi Ngoc Nguyen

DOI: 10.52711/0974-360X.2025.00110 (<https://www.doi.org/10.52711/0974-360X.2025.00110>)

Views: 0 (pdf), 845 (html)

Access:  Closed Access

Cite: Chung Dinh Duong, Chau Nguyen Thi Bao, Linh Dinh Thi Lan, Yen Thi Ngoc Nguyen. Identification and Biological activity of leaf extracts from *Mallotus barbatus* Muell. - Arg. in Lam Dong province, Vietnam. Research Journal of Pharmacy and Technology.2025;18(2):744-0. doi: 10.52711/0974-360X.2025.00110 (<https://www.doi.org/10.52711/0974-360X.2025.00110>)

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(AbstractView.aspx?

PID=2025-18-
2-42)

Aspergillus section Flavi in peanut manufacturing chain in Morocco: Prevalence, chemotype diversity, and toxigenicity (AbstractView.aspx? PID=2025-18-2-43)

Author(s): Narjisse Mokhtari, Mohamed Chabbi, Abderrahman Bouassab, Oussama Chauiyakh

DOI: 10.52711/0974-360X.2025.00111 (<https://www.doi.org/10.52711/0974-360X.2025.00111>)

Views: 0 (pdf), 844 (html)

Access:  Closed Access

Cite: Narjisse Mokhtari, Mohamed Chabbi, Abderrahman Bouassab, Oussama Chauiyakh. Aspergillus section Flavi in peanut manufacturing chain in Morocco: Prevalence, chemotype diversity, and toxigenicity. Research Journal of Pharmacy and Technology.2025;18(2):751-6. doi: 10.52711/0974-360X.2025.00111 (<https://www.doi.org/10.52711/0974-360X.2025.00111>)

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(AbstractView.aspx?

PID=2025-18-
2-43)

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Antioxidant, Antimicrobial activities and Phytochemical analysis of *Erica arborea* L. stem extracts (AbstractView.aspx?PID=2025-18-2-44)

Author(s): Salima Amari, Ahlem Karbab, Noureddine Charef, Lekhmici Arrar

DOI: 10.52711/0974-360X.2025.00112 (<https://www.doi.org/10.52711/0974-360X.2025.00112>)

Views: 0 (pdf), 993 (html)

Access:  Closed Access

Cite: Salima Amari, Ahlem Karbab, Noureddine Charef, Lekhmici Arrar. Antioxidant, Antimicrobial activities and Phytochemical analysis of *Erica arborea* L. stem extracts. *Research Journal of Pharmacy and Technology*.2025;18(2):757-4. doi: 10.52711/0974-360X.2025.00112 (<https://www.doi.org/10.52711/0974-360X.2025.00112>)

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PID=2025-18-
2-44)

The Potency Anticancer Candidate of Trisindolina 1 with In vitro and In Silico Methods (AbstractView.aspx?PID=2025-18-2-45)

Author(s): Awik P. D. Nurhayati, Mardi Santoso, Yuniar I. Susanti, Fitri Lianingsih, Evira N. Oktyasti, Edwin Setiawan, Nurul Jadid, Arif Luqman

DOI: 10.52711/0974-360X.2025.00113 (<https://www.doi.org/10.52711/0974-360X.2025.00113>)

Views: 0 (pdf), 799 (html)

Access:  Closed Access

Cite: Awik P. D. Nurhayati, Mardi Santoso, Yuniar I. Susanti, Fitri Lianingsih, Evira N. Oktyasti, Edwin Setiawan, Nurul Jadid, Arif Luqman. The Potency Anticancer Candidate of Trisindolina 1 with In vitro and In Silico Methods. *Research Journal of Pharmacy and Technology*.2025;18(2):765-2. doi: 10.52711/0974-360X.2025.00113 (<https://www.doi.org/10.52711/0974-360X.2025.00113>)

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PID=2025-18-
2-45)

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Determination of Total Flavonoids and BSLT Methanol Extract of Leaves and STEM Betadine (*Jatropha multifida* Linn.) (AbstractView.aspx? PID=2025-18-2-46)

Author(s): Hanafi, Sotya Rawiningtyas, Henny Rochaeny, Sri Redjeki Setyawati, Alvina Nur Aini, Adya Rizky Pradipta

DOI: 10.52711/0974-360X.2025.00114 (<https://www.doi.org/10.52711/0974-360X.2025.00114>)

Views: 0 (pdf), 841 (html)

Access:  Closed Access

Cite: Hanafi, Sotya Rawiningtyas, Henny Rochaeny, Sri Redjeki Setyawati, Alvina Nur Aini, Adya Rizky Pradipta. Determination of Total Flavonoids and BSLT Methanol Extract of Leaves and STEM Betadine (*Jatropha multifida* Linn.). *Research Journal of Pharmacy and Technology*.2025;18(2):773-6. doi: 10.52711/0974-360X.2025.00114 (<https://www.doi.org/10.52711/0974-360X.2025.00114>)

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(AbstractView.aspx?

PID=2025-18-
2-46)

The hepatotoxic effects of copper-containing polometallic dust and their correction with sorbents (AbstractView.aspx?PID=2025-18-2-47)

Author(s): Khamida Abdikadirova, Kymbat Amreyeva, Xeniya Mkhitarian, Nazgul Omarbekova, Bayan Yessilbayeva, Bayan Dyussenbekova, Kymbat Zhienbayeva, Bahyt Suleimenova

DOI: 10.52711/0974-360X.2025.00115 (<https://www.doi.org/10.52711/0974-360X.2025.00115>)

Views: 0 (pdf), 857 (html)

Access:  Closed Access

Cite: Khamida Abdikadirova, Kymbat Amreyeva, Xeniya Mkhitarian, Nazgul Omarbekova, Bayan Yessilbayeva, Bayan Dyussenbekova, Kymbat Zhienbayeva, Bahyt Suleimenova. The hepatotoxic effects of copper-containing polometallic dust and their correction with sorbents. *Research Journal of Pharmacy and Technology*.2025;18(2):777-4. doi: 10.52711/0974-360X.2025.00115 (<https://www.doi.org/10.52711/0974-360X.2025.00115>)

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PID=2025-18-
2-47)

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Relationship between Turning difficulty and Fall risk among Geriatric Population: A Pilot Study (AbstractView.aspx?PID=2025-18-2-48)

Author(s): Goh Choon Hian, Premala Krishnan, Tee Yee Kai, Kamala Krishnan, Hum Yan Chai

DOI: 10.52711/0974-360X.2025.00116 (<https://www.doi.org/10.52711/0974-360X.2025.00116>)

Views: 0 (pdf), 871 (html)

Access:  Closed Access

Cite: Goh Choon Hian, Premala Krishnan, Tee Yee Kai, Kamala Krishnan, Hum Yan Chai. Relationship between Turning difficulty and Fall risk among Geriatric Population: A Pilot Study. *Research Journal of Pharmacy and Technology*.2025;18(2):785-1. doi: 10.52711/0974-360X.2025.00116 (<https://www.doi.org/10.52711/0974-360X.2025.00116>)

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PID=2025-18-
2-48)

Quality of Life of Cancer patients Measured with the 5-Level EuroQoL-5 Dimension (EQ-5D-5L) and the European Organization for Research and Treatment of Cancer QLQ-C30 (EORTC QLQ-C30) (AbstractView.aspx? PID=2025-18-2-49)

Author(s): Siswandi1, Simanjuntak Lamhot Burju, Putra Berry Harsono, Suhendra Gugun, Muhammad Arif Rizki Saputra, Haafizah Dania, Adnan, Lalu Muhammad Irham, Imaniar Noor Faridah, Dyah Aryani Perwitasari

DOI: 10.52711/0974-360X.2025.00117 (<https://www.doi.org/10.52711/0974-360X.2025.00117>)

Views: 0 (pdf), 882 (html)

Access:  Closed Access

Cite: Siswandi1, Simanjuntak Lamhot Burju, Putra Berry Harsono, Suhendra Gugun, Muhammad Arif Rizki Saputra, Haafizah Dania, Adnan, Lalu Muhammad Irham, Imaniar Noor Faridah, Dyah Aryani Perwitasari. Quality of Life of Cancer patients Measured with the 5-Level EuroQoL-5 Dimension (EQ-5D-5L) and the European Organization for Research and Treatment of Cancer QLQ-C30 (EORTC QLQ-C30). *Research Journal of Pharmacy and Technology*.2025;18(2):792-6. doi: 10.52711/0974-360X.2025.00117 (<https://www.doi.org/10.52711/0974-360X.2025.00117>)

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(AbstractView.aspx?

PID=2025-18-
2-49)

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Evaluation of anti-proliferative and pro-apoptotic property of 7,3'-dihydroxyflavone against MCF-7 cell line using in-vitro, in-silico and gene expression analysis (AbstractView.aspx?PID=2025-18-2-5)

Author(s): Y. Jennifer Monica, R. Kavitha, Karthik

DOI: 10.52711/0974-360X.2025.00073 (<https://www.doi.org/10.52711/0974-360X.2025.00073>)

Views: 0 (pdf), 868 (html)

Access:  Closed Access

Cite: Y. Jennifer Monica, R. Kavitha, Karthik. *Evaluation of anti-proliferative and pro-apoptotic property of 7,3'-dihydroxyflavone against MCF-7 cell line using in-vitro, in-silico and gene expression analysis.* Research Journal of Pharmacy and Technology.2025;18(2):481-8. doi: 10.52711/0974-360X.2025.00073 (<https://www.doi.org/10.52711/0974-360X.2025.00073>)

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(AbstractView.aspx?

PID=2025-18-

2-5)

A Holistic Approach to Ayurvedic Gel Stability: Qualitative and quantitative estimation of Bio Markers using HPTLC, HPLC and GC (AbstractView.aspx?PID=2025-18-2-50)

Author(s): Ajay Kumar Meena, Vikas Ojha, Vijay Kumar, Arjun Singh, Preeti Sharma, N. Srikanth, Rabinarayan Acharya

DOI: 10.52711/0974-360X.2025.00118 (<https://www.doi.org/10.52711/0974-360X.2025.00118>)

Views: 0 (pdf), 900 (html)

Access:  Closed Access

Cite: Ajay Kumar Meena, Vikas Ojha, Vijay Kumar, Arjun Singh, Preeti Sharma, N. Srikanth, Rabinarayan Acharya. *A Holistic Approach to Ayurvedic Gel Stability: Qualitative and quantitative estimation of Bio Markers using HPTLC, HPLC and GC.* Research Journal of Pharmacy and Technology.2025;18(2):797-8. doi: 10.52711/0974-360X.2025.00118 (<https://www.doi.org/10.52711/0974-360X.2025.00118>)

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(AbstractView.aspx?

PID=2025-18-

2-50)

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The Potential of Ganoderma applanatum Polysaccharides Extracts on Apoptosis, Necrosis, TNF- α , and IL-6 in Diethylnitrosamine-Induced Mice (AbstractView.aspx?PID=2025-18-2-51)

Author(s): Siti Rahayu, Aulia Umi Rohmatika, Ufairanisa Islamatasya, Raden Joko Kuncoroningrat Susilo, Suhailah Hayaza, Djoko Santoso, Odi Yoshitaka Anggarda, Sri Puji Astuti Wahyuningsih, Win Darmanto

DOI: 10.52711/0974-360X.2025.00119 (<https://www.doi.org/10.52711/0974-360X.2025.00119>)

Views: 0 (pdf), 995 (html)

Access:  Closed Access

Cite: Siti Rahayu, Aulia Umi Rohmatika, Ufairanisa Islamatasya, Raden Joko Kuncoroningrat Susilo, Suhailah Hayaza, Djoko Santoso, Odi Yoshitaka Anggarda, Sri Puji Astuti Wahyuningsih, Win Darmanto. The Potential of Ganoderma applanatum Polysaccharides Extracts on Apoptosis, Necrosis, TNF- α , and IL-6 in Diethylnitrosamine-Induced Mice. Research Journal of Pharmacy and Technology.2025;18(2):809-4. doi: 10.52711/0974-360X.2025.00119 (<https://www.doi.org/10.52711/0974-360X.2025.00119>)

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(AbstractView.aspx?

PID=2025-18-
2-51)

Analytical profiling of Clopidogrel Bisulphate: A Method Development and Validation by UV-Spectrophotometer using Simulated Nasal Fluid (AbstractView.aspx?PID=2025-18-2-52)

Author(s): Bhagyashree Kokate, Veena Belgamwar

DOI: 10.52711/0974-360X.2025.00120 (<https://www.doi.org/10.52711/0974-360X.2025.00120>)

Views: 0 (pdf), 842 (html)

Access:  Closed Access

Cite: Bhagyashree Kokate, Veena Belgamwar. Analytical profiling of Clopidogrel Bisulphate: A Method Development and Validation by UV-Spectrophotometer using Simulated Nasal Fluid. Research Journal of Pharmacy and Technology.2025;18(2):815-8. doi: 10.52711/0974-360X.2025.00120 (<https://www.doi.org/10.52711/0974-360X.2025.00120>)

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(AbstractView.aspx?

PID=2025-18-
2-52)

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Antibacterial Activity of Polyvalent Anti-snake venom (AbstractView.aspx?PID=2025-18-2-53)

Author(s): Shobha K.L, Akshatha G Nayak

DOI: 10.52711/0974-360X.2025.00121 (<https://www.doi.org/10.52711/0974-360X.2025.00121>)

Views: 0 (pdf), 767 (html)

Access:  Closed Access

Cite: Shobha K.L, Akshatha G Nayak. *Antibacterial Activity of Polyvalent Anti-snake venom*. Research Journal of Pharmacy and Technology.2025;18(2):819-2. doi: 10.52711/0974-360X.2025.00121 (<https://www.doi.org/10.52711/0974-360X.2025.00121>)

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(AbstractView.aspx?

PID=2025-18-

2-53)

Extraction and determination of quercetin and ascorbic acid simultaneously in tomatoes (*Solanum lycopersicum L.*) using mean centering of ratio spectra (AbstractView.aspx?PID=2025-18-2-54)

Author(s): Muchlisyam Bachri, Lisda Rimayani Nasution, Mutiara Balqis Ginting

DOI: 10.52711/0974-360X.2025.00122 (<https://www.doi.org/10.52711/0974-360X.2025.00122>)

Views: 0 (pdf), 827 (html)

Access:  Closed Access

Cite: Muchlisyam Bachri, Lisda Rimayani Nasution, Mutiara Balqis Ginting. *Extraction and determination of quercetin and ascorbic acid simultaneously in tomatoes (*Solanum lycopersicum L.*) using mean centering of ratio spectra*. Research Journal of Pharmacy and Technology.2025;18(2):823-0. doi: 10.52711/0974-360X.2025.00122 (<https://www.doi.org/10.52711/0974-360X.2025.00122>)

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(AbstractView.aspx?

PID=2025-18-

2-54)

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Developing of a new Pharmacophore Containing Sulfonyl Fluoride Group as Potential Gastrointestinal Lipase Inhibitors (AbstractView.aspx?PID=2025-18-2-55)

Author(s): Alchab Faten

DOI: 10.52711/0974-360X.2025.00123 (<https://www.doi.org/10.52711/0974-360X.2025.00123>)

Views: 0 (pdf), 953 (html)

Access:  Closed Access

Cite: Alchab Faten. *Developing of a new Pharmacophore Containing Sulfonyl Fluoride Group as Potential Gastrointestinal Lipase Inhibitors.* Research Journal of Pharmacy and Technology.2025;18(2):831-8. doi: 10.52711/0974-360X.2025.00123 (<https://www.doi.org/10.52711/0974-360X.2025.00123>)

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(AbstractView.aspx?

PID=2025-18-
2-55)

The effect of genetic polymorphisms, drug-disease and drug-drug interactions on hypertension control in Egyptian patients (AbstractView.aspx?PID=2025-18-2-56)

Author(s): Nermene N. Abuelsoud, Fatma H. Abdelraouf

DOI: 10.52711/0974-360X.2025.00124 (<https://www.doi.org/10.52711/0974-360X.2025.00124>)

Views: 0 (pdf), 930 (html)

Access:  Closed Access

Cite: Nermene N. Abuelsoud, Fatma H. Abdelraouf. *The effect of genetic polymorphisms, drug-disease and drug-drug interactions on hypertension control in Egyptian patients.* Research Journal of Pharmacy and Technology.2025;18(2):839-1. doi: 10.52711/0974-360X.2025.00124 (<https://www.doi.org/10.52711/0974-360X.2025.00124>)

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(AbstractView.aspx?

PID=2025-18-
2-56)

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In vivo Evaluation of Aloe vera and Ficus deltoidea Anti-inflammatory effect in Mice: A Brief Update (AbstractView.aspx?PID=2025-18-2-57)

Author(s): Nurul A. Rozkhaidi, Elysha N. Ismail, Reezal Ishak

DOI: 10.52711/0974-360X.2025.00125 (<https://www.doi.org/10.52711/0974-360X.2025.00125>)

Views: 0 (pdf), 895 (html)

Access:  Closed Access

Cite: Nurul A. Rozkhaidi, Elysha N. Ismail, Reezal Ishak. *In vivo Evaluation of Aloe vera and Ficus deltoidea Anti-inflammatory effect in Mice: A Brief Update.* Research Journal of Pharmacy and Technology.2025;18(2):852-6. doi: 10.52711/0974-360X.2025.00125 (<https://www.doi.org/10.52711/0974-360X.2025.00125>)

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(AbstractView.aspx?

PID=2025-18-
2-57)

Crotepoxide from Kaempferia rotunda L. Inhibit Pancreatic lipase In vitro (AbstractView.aspx?PID=2025-18-2-58)

Author(s): Dyah Aryantini, Puji Astuti, Nunung Yuniarti, Subagus Wahyuono

DOI: 10.52711/0974-360X.2025.00126 (<https://www.doi.org/10.52711/0974-360X.2025.00126>)

Views: 0 (pdf), 863 (html)

Access:  Closed Access

Cite: Dyah Aryantini, Puji Astuti, Nunung Yuniarti, Subagus Wahyuono. Crotepoxide from Kaempferia rotunda L. Inhibit Pancreatic lipase In vitro. Research Journal of Pharmacy and Technology.2025;18(2):857-2. doi: 10.52711/0974-360X.2025.00126 (<https://www.doi.org/10.52711/0974-360X.2025.00126>)

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(AbstractView.aspx?

PID=2025-18-
2-58)

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Exploring the in vitro Efficacy of Terminalia coriacea Nanoemulsion against Haemonchus contortus and Pheretima posthuma: LCMS Profiling of Ethanolic Bark Extract Impact (AbstractView.aspx? PID=2025-18-2-59)

Author(s): Jitendra Patel, Hare Krishna Roy, Deepak S. Khobragade, Anil M. Pethe, Surendra Agrawal, G. Shiva Kumar, Gatadi Srikanth, Rukmani Patel, Vijay Patel

DOI: 10.52711/0974-360X.2025.00127 (<https://www.doi.org/10.52711/0974-360X.2025.00127>)

Views: 0 (pdf), 902 (html)

Access:  Closed Access

Cite: Jitendra Patel, Hare Krishna Roy, Deepak S. Khobragade, Anil M. Pethe, Surendra Agrawal, G. Shiva Kumar, Gatadi Srikanth, Rukmani Patel, Vijay Patel. Exploring the in vitro Efficacy of Terminalia coriacea Nanoemulsion against Haemonchus contortus and Pheretima posthuma: LCMS Profiling of Ethanolic Bark Extract Impact. Research Journal of Pharmacy and Technology.2025;18(2):863-2. doi: 10.52711/0974-360X.2025.00127 (<https://www.doi.org/10.52711/0974-360X.2025.00127>)

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(AbstractView.aspx?

PID=2025-18-

2-59)

Harnessing Phytochemicals to Modulate the Nonsense-mediated Decay Pathway for Anticancer Drug Discovery (AbstractView.aspx? PID=2025-18-2-6)

Author(s): Sanjoy Majumder, Rutupurna Das, Gagan Kumar Panigrahi

DOI: 10.52711/0974-360X.2025.00074 (<https://www.doi.org/10.52711/0974-360X.2025.00074>)

Views: 0 (pdf), 794 (html)

Access:  Closed Access

Cite: Sanjoy Majumder, Rutupurna Das, Gagan Kumar Panigrahi. Harnessing Phytochemicals to Modulate the Nonsense-mediated Decay Pathway for Anticancer Drug Discovery. Research Journal of Pharmacy and Technology.2025;18(2):489-4. doi: 10.52711/0974-360X.2025.00074 (<https://www.doi.org/10.52711/0974-360X.2025.00074>)

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(AbstractView.aspx?

PID=2025-18-

2-6)

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A Promising Anti-Inflammatory Agent of Green Macroalgae *Ulva lactuca* Ethyl Acetate Extract (AbstractView.aspx?PID=2025-18-2-60)

Author(s): Erlia Angrainy Sianipar, Beatrice Lin, Dion Notario

DOI: 10.52711/0974-360X.2025.00128 (<https://www.doi.org/10.52711/0974-360X.2025.00128>)

Views: 0 (pdf), 948 (html)

Access:  Closed Access

Cite: Erlia Angrainy Sianipar, Beatrice Lin, Dion Notario. A Promising Anti-Inflammatory Agent of Green Macroalgae *Ulva lactuca* Ethyl Acetate Extract. *Research Journal of Pharmacy and Technology*.2025;18(2):873-7. doi: 10.52711/0974-360X.2025.00128 (<https://www.doi.org/10.52711/0974-360X.2025.00128>)

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PID=2025-18-
2-60)

Assessment of Obesity Indices and Cardiovascular Risk Factors in Type 2 Diabetes Mellitus: A Pilot study from a Tertiary care centre in India (AbstractView.aspx?PID=2025-18-2-61)

Author(s): Darnelly Mahesh, Gautam Kumar, Ashok Kumar Gupta, Vijay Kumar Singh, Veena Devi Singh

DOI: 10.52711/0974-360X.2025.00129 (<https://www.doi.org/10.52711/0974-360X.2025.00129>)

Views: 0 (pdf), 896 (html)

Access:  Closed Access

Cite: Darnelly Mahesh, Gautam Kumar, Ashok Kumar Gupta, Vijay Kumar Singh, Veena Devi Singh. Assessment of Obesity Indices and Cardiovascular Risk Factors in Type 2 Diabetes Mellitus: A Pilot study from a Tertiary care centre in India. *Research Journal of Pharmacy and Technology*.2025;18(2):878-4. doi: 10.52711/0974-360X.2025.00129 (<https://www.doi.org/10.52711/0974-360X.2025.00129>)

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(AbstractView.aspx?

PID=2025-18-
2-61)

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Antimicrobial effect of Stem cells from human exfoliated deciduous teeth metabolites combined with Epigallocatechin-3-gallate: As In vitro study (AbstractView.aspx?PID=2025-18-2-62)

Author(s): Sidarningsih, Yuliati, Deny Saputra, Nastiti Faradila Ramadhani, Sasha Aprilia Rochmat, Bunga Fauzia, Mohammed Ahmed Aljunaid, Huda Rashad Qaid, Rini Devijanti Ridwan, Shuhdi Gamal Alaghbari, Mogeb Al-Nahari, Habib Thabet

DOI: 10.52711/0974-360X.2025.00130 (<https://www.doi.org/10.52711/0974-360X.2025.00130>)

Views: 0 (pdf), 773 (html)

Access:  Closed Access

Cite: Sidarningsih, Yuliati, Deny Saputra, Nastiti Faradila Ramadhani, Sasha Aprilia Rochmat, Bunga Fauzia, Mohammed Ahmed Aljunaid, Huda Rashad Qaid, Rini Devijanti Ridwan, Shuhdi Gamal Alaghbari, Mogeb Al-Nahari, Habib Thabet. Antimicrobial effect of Stem cells from human exfoliated deciduous teeth metabolites combined with Epigallocatechin-3-gallate: As In vitro study. Research Journal of Pharmacy and Technology.2025;18(2):885-2. doi: 10.52711/0974-360X.2025.00130 (<https://www.doi.org/10.52711/0974-360X.2025.00130>)

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(AbstractView.aspx?

PID=2025-18-
2-62)

Virosomes: Recent Concepts and Multiple Application (AbstractView.aspx?PID=2025-18-2-63)

Author(s): Sumit Kumar, Rajni Tanwar, Dinesh Kumar, Amandeep Mor4, Nicky, monu

DOI: 10.52711/0974-360X.2025.00131 (<https://www.doi.org/10.52711/0974-360X.2025.00131>)

Views: 0 (pdf), 862 (html)

Access:  Closed Access

Cite: Sumit Kumar, Rajni Tanwar, Dinesh Kumar, Amandeep Mor4, Nicky, monu. Virosomes: Recent Concepts and Multiple Application. Research Journal of Pharmacy and Technology.2025;18(2):893-7. doi: 10.52711/0974-360X.2025.00131 (<https://www.doi.org/10.52711/0974-360X.2025.00131>)

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(AbstractView.aspx?

PID=2025-18-
2-63)

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Alzheimer's Disease: A Study on Natural and Herbal Treatment (AbstractView.aspx?PID=2025-18-2-64)

Author(s): Pramod Shridhar Salve, Aditya Ashok Pohankar, Steffi George, Jay Rajendra Gadge

DOI: 10.52711/0974-360X.2025.00132 (<https://www.doi.org/10.52711/0974-360X.2025.00132>)

Views: 0 (pdf), 1010 (html)

Access:  Closed Access

Cite: Pramod Shridhar Salve, Aditya Ashok Pohankar, Steffi George, Jay Rajendra Gadge. Alzheimer's Disease: A Study on Natural and Herbal Treatment. *Research Journal of Pharmacy and Technology.*2025;18(2):898-6. doi: 10.52711/0974-360X.2025.00132 (<https://www.doi.org/10.52711/0974-360X.2025.00132>)

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(AbstractView.aspx?

PID=2025-18-
2-64)

Enhancing Cyanocobalamin Stability through Polymer Cyclodextrins: A Comprehensive Review on light stability (AbstractView.aspx? PID=2025-18-2-65)

Author(s): P. K. Kulkarni, Venkatesh, K Hanumanthachar Joshi, A Noorain KM

DOI: 10.52711/0974-360X.2025.00133 (<https://www.doi.org/10.52711/0974-360X.2025.00133>)

Views: 0 (pdf), 1183 (html)

Access:  Closed Access

Cite: P. K. Kulkarni, Venkatesh, K Hanumanthachar Joshi, A Noorain KM. Enhancing Cyanocobalamin Stability through Polymer Cyclodextrins: A Comprehensive Review on light stability. *Research Journal of Pharmacy and Technology.*2025;18(2):907-1. doi: 10.52711/0974-360X.2025.00133 (<https://www.doi.org/10.52711/0974-360X.2025.00133>)

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(AbstractView.aspx?

PID=2025-18-
2-65)

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Chia seeds: A Comprehensive Review (AbstractView.aspx? PID=2025-18-2-66)

Author(s): Padmaa M. Paarakh, Suvanjali Mishra, Tanushree, Kavya R.S., Suman, Mudasir Pasha, A. Muthu Kumar

DOI: 10.52711/0974-360X.2025.00134 (<https://www.doi.org/10.52711/0974-360X.2025.00134>)

Views: 0 (pdf), 1477 (html)

Access:  Closed Access

Cite: Padmaa M. Paarakh, Suvanjali Mishra, Tanushree, Kavya R.S., Suman, Mudasir Pasha, A. Muthu Kumar. Chia seeds: A Comprehensive Review. *Research Journal of Pharmacy and Technology*.2025;18(2):912-8. doi: 10.52711/0974-360X.2025.00134 (<https://www.doi.org/10.52711/0974-360X.2025.00134>)

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(AbstractView.aspx?

PID=2025-18-
2-66)

Designing effective Film-Forming Systems: Key Considerations and Strategies (AbstractView.aspx?PID=2025-18-2-67)

Author(s): Sanika Kuveskar, Ashwini Wani

DOI: 10.52711/0974-360X.2025.00135 (<https://www.doi.org/10.52711/0974-360X.2025.00135>)

Views: 0 (pdf), 1325 (html)

Access:  Closed Access

Cite: Sanika Kuveskar, Ashwini Wani. Designing effective Film-Forming Systems: Key Considerations and Strategies. *Research Journal of Pharmacy and Technology*.2025;18(2):919-6. doi: 10.52711/0974-360X.2025.00135 (<https://www.doi.org/10.52711/0974-360X.2025.00135>)

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PID=2025-18-
2-67)

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Integrating Traditional Medicinal Plants into Diabetes Mellitus (Autoimmune Disease) Management in India: A review (AbstractView.aspx?PID=2025-18-2-68)

Author(s): Rao S. Prakash, Saraf Kumar Surendra, Baghel Madhuri, Vishwakarma Priyanka, Verma Khushboo Majumdar Ashish

DOI: 10.52711/0974-360X.2025.00136 (<https://www.doi.org/10.52711/0974-360X.2025.00136>)

Views: 0 (pdf), 948 (html)

Access:  Closed Access

Cite: Rao S. Prakash, Saraf Kumar Surendra, Baghel Madhuri, Vishwakarma Priyanka, Verma Khushboo Majumdar Ashish. *Integrating Traditional Medicinal Plants into Diabetes Mellitus (Autoimmune Disease) Management in India: A review.* Research Journal of Pharmacy and Technology.2025;18(2):927-4. doi: 10.52711/0974-360X.2025.00136 (<https://www.doi.org/10.52711/0974-360X.2025.00136>)

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PID=2025-18-
2-68)

Integrating Cognitive Behavioural Therapy and Clinical Hypnotherapy: Establishing EFET as a Credentialed Framework for Enhanced Clinical Outcomes in Anxiety Treatment (AbstractView.aspx?PID=2025-18-2-69)

Author(s): Sheila Menon, Vidya Bhagat

DOI: 10.52711/0974-360X.2025.00137 (<https://www.doi.org/10.52711/0974-360X.2025.00137>)

Views: 0 (pdf), 1558 (html)

Access:  Closed Access

Cite: Sheila Menon, Vidya Bhagat. *Integrating Cognitive Behavioural Therapy and Clinical Hypnotherapy: Establishing EFET as a Credentialed Framework for Enhanced Clinical Outcomes in Anxiety Treatment.* Research Journal of Pharmacy and Technology.2025;18(2):935-3. doi: 10.52711/0974-360X.2025.00137 (<https://www.doi.org/10.52711/0974-360X.2025.00137>)

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(AbstractView.aspx?

PID=2025-18-
2-69)

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The Antioxidant and Anti-Diabetic Chemical Compounds in Rhinacanthus nasutus (L.) Kurz Leaf Extract Were Determined Using UHPLC-MS/MS QTOF (AbstractView.aspx?PID=2025-18-2-7)

Author(s): Candra Irawan, Berna Elya, Muhammad Hanafi, Fadlina Chany Saputri

DOI: 10.52711/0974-360X.2025.00075 (<https://www.doi.org/10.52711/0974-360X.2025.00075>)

Views: 0 (pdf), 970 (html)

Access:  Closed Access

Cite: Candra Irawan, Berna Elya, Muhammad Hanafi, Fadlina Chany Saputri. The Antioxidant and Anti-Diabetic Chemical Compounds in Rhinacanthus nasutus (L.) Kurz Leaf Extract Were Determined Using UHPLC-MS/MS QTOF. Research Journal of Pharmacy and Technology.2025;18(2):495-1. doi: 10.52711/0974-360X.2025.00075 (<https://www.doi.org/10.52711/0974-360X.2025.00075>)

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(AbstractView.aspx?

PID=2025-18-

2-7)

A Comprehensive Review on Phytochemical and Therapeutic effect of Fruits (AbstractView.aspx?PID=2025-18-2-70)

Author(s): Satyajit Barik, Jugnu Jahan, Anjana G V, D Priya

DOI: 10.52711/0974-360X.2025.00138 (<https://www.doi.org/10.52711/0974-360X.2025.00138>)

Views: 0 (pdf), 856 (html)

Access:  Closed Access

Cite: Satyajit Barik, Jugnu Jahan, Anjana G V, D Priya. A Comprehensive Review on Phytochemical and Therapeutic effect of Fruits. Research Journal of Pharmacy and Technology.2025;18(2):944-8. doi: 10.52711/0974-360X.2025.00138 (<https://www.doi.org/10.52711/0974-360X.2025.00138>)

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(AbstractView.aspx?

PID=2025-18-

2-70)

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Bridging the Gap: The Role of Family Physicians in Colorectal Cancer Care and Functional Food Integration (AbstractView.aspx? PID=2025-18-2-71)

Author(s): Deepak Bhattacharya, Kavita Chenania, Asadollah Asadi, Chandra Sekhar Tripathy, U. S. Mahadeva Rao, Diba Kiani

DOI: 10.52711/0974-360X.2025.00139 (<https://www.doi.org/10.52711/0974-360X.2025.00139>)

Views: 0 (pdf), 878 (html)

Access:  Closed Access

Cite: Deepak Bhattacharya, Kavita Chenania, Asadollah Asadi, Chandra Sekhar Tripathy, U. S. Mahadeva Rao, Diba Kiani. Bridging the Gap: The Role of Family Physicians in Colorectal Cancer Care and Functional Food Integration. *Research Journal of Pharmacy and Technology*. 2025;18(2):949-4. doi: 10.52711/0974-360X.2025.00139 (<https://www.doi.org/10.52711/0974-360X.2025.00139>)

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PID=2025-18-
2-71)

Bio Python Application for Comparative Analysis of COVID-19 Virus Genome with Other Calamitous Genome (AbstractView.aspx? PID=2025-18-2-8)

Author(s): Narendra Kumar Dewangan, RPS Chauhan, Naveen Jain

DOI: 10.52711/0974-360X.2025.00076 (<https://www.doi.org/10.52711/0974-360X.2025.00076>)

Views: 0 (pdf), 937 (html)

Access:  Closed Access

Cite: Narendra Kumar Dewangan, RPS Chauhan, Naveen Jain. Bio Python Application for Comparative Analysis of COVID-19 Virus Genome with Other Calamitous Genome. *Research Journal of Pharmacy and Technology*. 2025;18(2):502-2. doi: 10.52711/0974-360X.2025.00076 (<https://www.doi.org/10.52711/0974-360X.2025.00076>)

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PID=2025-18-
2-8)

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Anti-Oxidant Potential of some Herbal Drugs: A Bioactivity Guiding approach for Chronic Diseases (AbstractView.aspx?PID=2025-18-2-9)

Author(s): Mhaveer Singh, Kamal YT, Navneet Verma, Arun Mishra, Vijay Sharma, Sayeed Ahmad

DOI: 10.52711/0974-360X.2025.00077 (<https://www.doi.org/10.52711/0974-360X.2025.00077>)

Views: 0 (pdf), 945 (html)

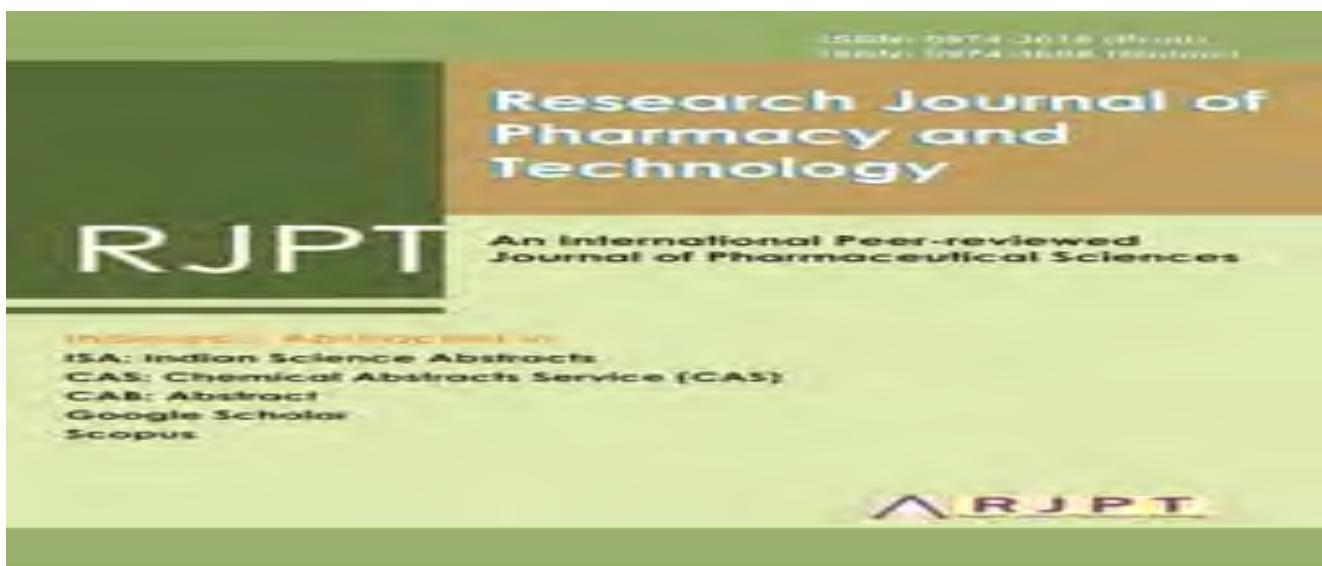
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