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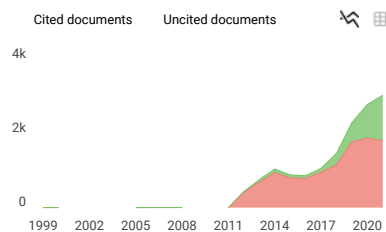
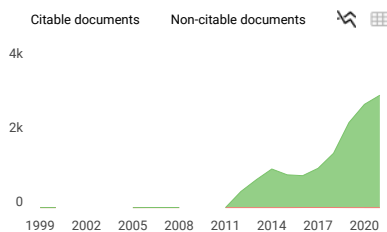
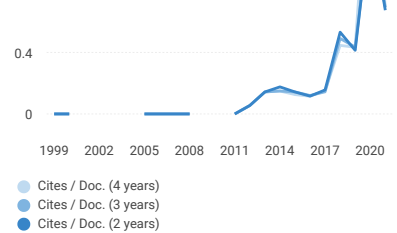
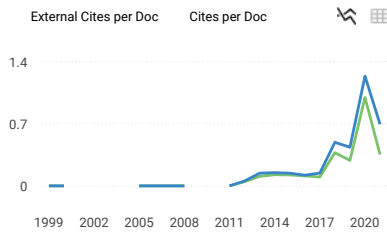
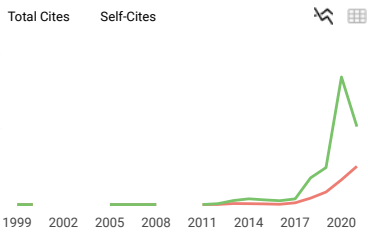
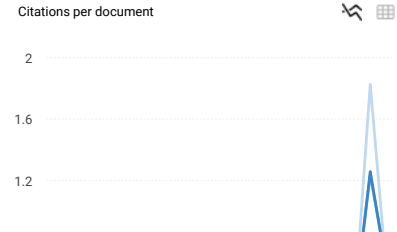
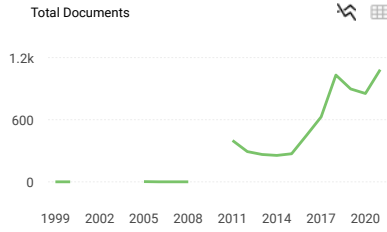
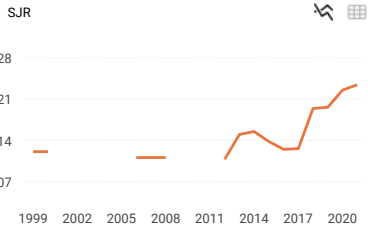
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Effect of Capsaicin on Pharmacokinetics and Pharmacodynamics of Nateglinide in normal and diabetic rats (AbstractView.aspx?PID=2023-16-3-1)

Author(s): Naga Raju Kandukoori, Narsimha Reddy Yellu

DOI: 10.52711/0974-360X.2023.00165 (<https://www.doi.org/10.52711/0974-360X.2023.00165>)

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Design and Evaluation of Controlled Onset Extended-Release System for Chronotherapeutic Delivery of Aceclofenac (AbstractView.aspx?PID=2023-16-3-10)

Author(s): V. Andiran, K. Kannan

DOI: 10.52711/0974-360X.2023.00174 (<https://www.doi.org/10.52711/0974-360X.2023.00174>)

Views: 0 (pdf), 73 (html)

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Cite: V. Andiran, K. Kannan. Design and Evaluation of Controlled Onset Extended-Release System for Chronotherapeutic Delivery of Aceclofenac. Research Journal of Pharmacy and Technology 2023; 16(3):1041-6. doi: 10.52711/0974-360X.2023.00174 (<https://www.doi.org/10.52711/0974-360X.2023.00174>)

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3-10)

Synthesis, Molecular Docking and Characterization of Pyrazole N-Mannich Base Derivatives as Antimicrobial Agents (AbstractView.aspx?PID=2023-16-3-11)

Author(s): Arathi K N, Sindhu T J, Vishnu M V, Basith M A, Anitha S V, Annalisa Roy, Arundhathi T, Ashly George, Asish S

DOI: 10.52711/0974-360X.2023.00175 (<https://www.doi.org/10.52711/0974-360X.2023.00175>)

Views: 0 (pdf), 92 (html)

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Cite: Arathi K N, Sindhu T J, Vishnu M V, Basith M A, Anitha S V, Annalisa Roy, Arundhathi T, Ashly George, Asish S. *Synthesis, Molecular Docking and Characterization of Pyrazole N-Mannich Base Derivatives as Antimicrobial Agents. Research Journal of Pharmacy and Technology* 2023; 16(3):1047-2. doi: 10.52711/0974-360X.2023.00175 (<https://www.doi.org/10.52711/0974-360X.2023.00175>)

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Alterations of Thyroid Hormone Levels and the Risks of Diabetic Retinopathy in T2DM (AbstractView.aspx?PID=2023-16-3-12)

Author(s): Haider Ali Alnaji, Rabab Omran, Azhar Hamza Hassan

DOI: 10.52711/0974-360X.2023.00176 (<https://www.doi.org/10.52711/0974-360X.2023.00176>)

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Cite: Haider Ali Alnaji, Rabab Omran, Azhar Hamza Hassan. *Alterations of Thyroid Hormone Levels and the Risks of Diabetic Retinopathy in T2DM. Research Journal of Pharmacy and Technology* 2023; 16(3):1053-9. doi: 10.52711/0974-360X.2023.00176 (<https://www.doi.org/10.52711/0974-360X.2023.00176>)

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3-12)

Geographical Distribution and Future Trend of Publications in the Field of Leather Research (AbstractView.aspx?PID=2023-16-3-13)

Author(s): Athulya S, S. Thanuskodi, B. Shanthy

DOI: 10.52711/0974-360X.2023.00177 (<https://www.doi.org/10.52711/0974-360X.2023.00177>)

Views: 0 (pdf), 69 (html)

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Cite: Athulya S, S. Thanuskodi, B. Shanthy. *Geographical Distribution and Future Trend of Publications in the Field of Leather Research. Research Journal of Pharmacy and Technology* 2023; 16(3):1060-4. doi: 10.52711/0974-360X.2023.00177 (<https://www.doi.org/10.52711/0974-360X.2023.00177>)

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In vivo Acetylcholinesterase activity and Antioxidant property of Cucurbita pepo ethanolic extract in Alzheimer's disease induced by Aluminium chloride in Sprague Dawley rat model (AbstractView.aspx?PID=2023-16-3-14)

Author(s): Rachagolla Sai Prathap Yadav, Belle Vijetha Shenoy, Nitish Kumar, G Prasanna Kumar, S Naveen Kumar

DOI: 10.52711/0974-360X.2023.00178 (<https://www.doi.org/10.52711/0974-360X.2023.00178>)

Views: 0 (pdf), 82 (html)

Access:  Closed Access

Cite: Rachagolla Sai Prathap Yadav, Belle Vijetha Shenoy, Nitish Kumar, G Prasanna Kumar, S Naveen Kumar. In vivo Acetylcholinesterase activity and Antioxidant property of Cucurbita pepo ethanolic extract in Alzheimer's disease induced by Aluminium chloride in Sprague Dawley rat model. *Research Journal of Pharmacy and Technology* 2023; 16(3):1065-1. doi: 10.52711/0974-360X.2023.00178 (<https://www.doi.org/10.52711/0974-360X.2023.00178>)

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The Protective Role of Camel Milk against Reprotoxicity, Hepatotoxicity, and Nephrotoxicity in Aflatoxic-Induced Male Rats (AbstractView.aspx?PID=2023-16-3-15)

Author(s): Basima J. Mohammad, Jabbar A. A. Al-Saaidi, Dirgham H. Y. AL_Zwean

DOI: 10.52711/0974-360X.2023.00179 (<https://www.doi.org/10.52711/0974-360X.2023.00179>)

Views: 0 (pdf), 46 (html)

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Cite: Basima J. Mohammad, Jabbar A. A. Al-Saaidi, Dirgham H. Y. AL_Zwean. The Protective Role of Camel Milk against Reprotoxicity, Hepatotoxicity, and Nephrotoxicity in Aflatoxic-Induced Male Rats. *Research Journal of Pharmacy and Technology* 2023; 16(3):1072-8. doi: 10.52711/0974-360X.2023.00179 (<https://www.doi.org/10.52711/0974-360X.2023.00179>)

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RP-HPLC Method for Quantification of Bilastine and Monteleukast Sodium in Pharmaceutical Dosage form (AbstractView.aspx?PID=2023-16-3-16)

Author(s): Mohammed Sameera Bhanu, Vasudha Dadi, Srinivasa Rao Yarraguntla, Vara Prasad Rao K

DOI: 10.52711/0974-360X.2023.00180 (<https://www.doi.org/10.52711/0974-360X.2023.00180>)

Views: 0 (pdf), 93 (html)

Access:  Closed Access

Cite: Mohammed Sameera Bhanu, Vasudha Dadi, Srinivasa Rao Yarraguntla, Vara Prasad Rao K. RP-HPLC Method for Quantification of Bilastine and Monteleukast Sodium in Pharmaceutical Dosage form. *Research Journal of Pharmacy and Technology* 2023; 16(3):1079-4. doi: 10.52711/0974-360X.2023.00180 (<https://www.doi.org/10.52711/0974-360X.2023.00180>)

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Molecular docking, Synthesis, Computational Studies and In-vitro evaluation of 7-Substituted-2-Pyrimidinyl Chromen-4-one derivatives (AbstractView.aspx?PID=2023-16-3-17)

Author(s): Arif Naseer, Shami Ratra, Umesh Kumar, Thakur Gurjeet Singh

DOI: 10.52711/0974-360X.2023.00181 (<https://www.doi.org/10.52711/0974-360X.2023.00181>)

Views: 0 (pdf), 44 (html)

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Cite: Arif Naseer, Shami Ratra, Umesh Kumar, Thakur Gurjeet Singh. Molecular docking, Synthesis, Computational Studies and In-vitro evaluation of 7-Substituted-2-Pyrimidinyl Chromen-4-one derivatives. *Research Journal of Pharmacy and Technology* 2023; 16(3):1085-4. doi: 10.52711/0974-360X.2023.00181 (<https://www.doi.org/10.52711/0974-360X.2023.00181>)

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Bioanalytical Method Development and Validation of Eprosartan Mesylate and Hydrochlorothiazide using RP-HPLC in Human plasma (AbstractView.aspx?PID=2023-16-3-18)

Author(s): Gurumurthy, Telugu, P. V. Suresh

DOI: 10.52711/0974-360X.2023.00182 (<https://www.doi.org/10.52711/0974-360X.2023.00182>)

Views: 0 (pdf), 56 (html)

Access:  Closed Access

Cite: Gurumurthy, Telugu, P. V. Suresh. Bioanalytical Method Development and Validation of Eprosartan Mesylate and Hydrochlorothiazide using RP-HPLC in Human plasma. *Research Journal of Pharmacy and Technology* 2023; 16(3):1095-9. doi: 10.52711/0974-360X.2023.00182 (<https://www.doi.org/10.52711/0974-360X.2023.00182>)

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Phytochemical Analysis, In vitro Assessment of Antioxidant Properties and Cytotoxic Potential of Thymus capitatus Essential Oil (AbstractView.aspx?PID=2023-16-3-19)

Author(s): Hana Bajes, Sawsan Oran, Yasser Bustanji

DOI: 10.52711/0974-360X.2023.00183 (<https://www.doi.org/10.52711/0974-360X.2023.00183>)

Views: 0 (pdf), 101 (html)

Access:  Closed Access

Cite: Hana Bajes, Sawsan Oran, Yasser Bustanji. Phytochemical Analysis, In vitro Assessment of Antioxidant Properties and Cytotoxic Potential of Thymus capitatus Essential Oil. *Research Journal of Pharmacy and Technology* 2023; 16(3):1100-8. doi: 10.52711/0974-360X.2023.00183 (<https://www.doi.org/10.52711/0974-360X.2023.00183>)

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Effectiveness of Ondansetron with a combination of Curcuma xanthorrhiza and Kleinhovia hospita against Post-Operative Nausea and Vomiting (PONV) after Laparotomy surgery (AbstractView.aspx?PID=2023-16-3-2)

Author(s): Purwoko, Septian Adi Permana, Mohandis Haki

DOI: 10.52711/0974-360X.2023.00166 (<https://www.doi.org/10.52711/0974-360X.2023.00166>)

Views: 0 (pdf), 43 (html)

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Cite: Purwoko, Septian Adi Permana, Mohandis Haki. Effectiveness of Ondansetron with a combination of Curcuma xanthorrhiza and Kleinhovia hospita against Post-Operative Nausea and Vomiting (PONV) after Laparotomy surgery. *Research Journal of Pharmacy and Technology* 2023; 16(3):997-1. doi: 10.52711/0974-360X.2023.00166 (<https://www.doi.org/10.52711/0974-360X.2023.00166>)

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PID=2023-16-
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Analysis of Phytochemical content and Antioxidant activity of Mycelia sterilia isolated from Boerhaavia diffusa (AbstractView.aspx?PID=2023-16-3-20)

Author(s): Sugashini Settu, K.P.G Uma Anitha, Sathiavelu Arunachalam

DOI: 10.52711/0974-360X.2023.00184 (<https://www.doi.org/10.52711/0974-360X.2023.00184>)

Views: 0 (pdf), 59 (html)

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Cite: Sugashini Settu, K.P.G Uma Anitha, Sathiavelu Arunachalam. Analysis of Phytochemical content and Antioxidant activity of Mycelia sterilia isolated from Boerhaavia diffusa. *Research Journal of Pharmacy and Technology* 2023; 16(3):1109-2. doi: 10.52711/0974-360X.2023.00184 (<https://www.doi.org/10.52711/0974-360X.2023.00184>)

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Microwave Supported Extraction and Optimization of Flavonoid Mangiferin from Mangifera indica L. Stem Bark using Orthogonal Array Design (AbstractView.aspx?PID=2023-16-3-21)

Author(s): Abdul Baseer Khan, Bhuvaneshwari J, Muhammad Arif

DOI: 10.52711/0974-360X.2023.00185 (<https://www.doi.org/10.52711/0974-360X.2023.00185>)

Views: 0 (pdf), 41 (html)

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A Case Narrative on Left Shoulder Hand Syndrome (AbstractView.aspx?PID=2023-16-3-22)

Author(s): Arya Lekshmi. U.S., Hima Santhosh, Anusree Raj R.S.

DOI: 10.52711/0974-360X.2023.00186 (<https://www.doi.org/10.52711/0974-360X.2023.00186>)

Views: 0 (pdf), 38 (html)

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Cite: Arya Lekshmi. U.S., Hima Santhosh, Anusree Raj R.S. A Case Narrative on Left Shoulder Hand Syndrome. *Research Journal of Pharmacy and Technology* 2023; 16(3):1118-0. doi: 10.52711/0974-360X.2023.00186 (<https://www.doi.org/10.52711/0974-360X.2023.00186>)

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Heartwood Extract of Neolamarckia Cadamba Ameliorates Oxidative Stress Linked Type II Diabetes in Wistar Albino Rats (AbstractView.aspx?PID=2023-16-3-23)

Author(s): Shanti Bhushan Mishra, Mukul Maurya, Vineet Srivastava

DOI: 10.52711/0974-360X.2023.00187 (<https://www.doi.org/10.52711/0974-360X.2023.00187>)

Views: 0 (pdf), 42 (html)

Access:  Closed Access

Cite: Shanti Bhushan Mishra, Mukul Maurya, Vineet Srivastava. Heartwood Extract of Neolamarckia Cadamba Ameliorates Oxidative Stress Linked Type II Diabetes in Wistar Albino Rats. *Research Journal of Pharmacy and Technology* 2023; 16(3):1121-6. doi: 10.52711/0974-360X.2023.00187 (<https://www.doi.org/10.52711/0974-360X.2023.00187>)

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Multiple Renal Calculi – Case Report (AbstractView.aspx?PID=2023-16-3-24)

Author(s): Lily Deo, Rita Sangtani, Rima Kumar, Ayush Kumar Gupta, Sneha Pawar

DOI: 10.52711/0974-360X.2023.00188 (<https://www.doi.org/10.52711/0974-360X.2023.00188>)

Views: 0 (pdf), 53 (html)

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Cite: Lily Deo, Rita Sangtani, Rima Kumar, Ayush Kumar Gupta, Sneha Pawar. Multiple Renal Calculi – Case Report. *Research Journal of Pharmacy and Technology* 2023; 16(3):1127-3. doi: 10.52711/0974-360X.2023.00188 (<https://www.doi.org/10.52711/0974-360X.2023.00188>)

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Amiodarone's effect on the Pharmacokinetics of Glibenclamide in Healthy and Diabetic Rats (AbstractView.aspx?PID=2023-16-3-25)

Author(s): Jyotsna Pandit Khedkar, Sreemoy Kanti Das, Prashant Suresh Salunke, Sandeep Poddar

DOI: 10.52711/0974-360X.2023.00189 (<https://www.doi.org/10.52711/0974-360X.2023.00189>)

Views: 0 (pdf), 41 (html)

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Cite: Jyotsna Pandit Khedkar, Sreemoy Kanti Das, Prashant Suresh Salunke, Sandeep Poddar. Amiodarone's effect on the Pharmacokinetics of Glibenclamide in Healthy and Diabetic Rats. *Research Journal of Pharmacy and Technology* 2023; 16(3):1134-8. doi: 10.52711/0974-360X.2023.00189 (<https://www.doi.org/10.52711/0974-360X.2023.00189>)

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Application of Box-Behnken Experimental Design in Process Parameter Optimization for Production of Berberine HCl loaded Chitosan Coated Sodium Alginate Nanoparticles (AbstractView.aspx?PID=2023-16-3-26)

Author(s): Vinod Kumar, Prashant Kumar, Saurabh Sharma

DOI: 10.52711/0974-360X.2023.00190 (<https://www.doi.org/10.52711/0974-360X.2023.00190>)

Views: 0 (pdf), 44 (html)

Access:  Closed Access

Cite: Vinod Kumar, Prashant Kumar, Saurabh Sharma. Application of Box-Behnken Experimental Design in Process Parameter Optimization for Production of Berberine HCl loaded Chitosan Coated Sodium Alginate Nanoparticles. *Research Journal of Pharmacy and Technology* 2023; 16(3):1139-6. doi: 10.52711/0974-360X.2023.00190 (<https://www.doi.org/10.52711/0974-360X.2023.00190>)

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Formulation, Characterization and In-vitro Evaluation of Prolonged Local Drug Delivery of Antimicrobial on Bone Tissue Formation (AbstractView.aspx?PID=2023-16-3-27)

Author(s): Bandana Sharma, Chidambaram Soundrapandian, Sonam Bhutia

DOI: 10.52711/0974-360X.2023.00191 (<https://www.doi.org/10.52711/0974-360X.2023.00191>)

Views: 0 (pdf), 41 (html)

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Cite: Bandana Sharma, Chidambaram Soundrapandian, Sonam Bhutia. Formulation, Characterization and In-vitro Evaluation of Prolonged Local Drug Delivery of Antimicrobial on Bone Tissue Formation. *Research Journal of Pharmacy and Technology* 2023; 16(3):1147-2. doi: 10.52711/0974-360X.2023.00191 (<https://www.doi.org/10.52711/0974-360X.2023.00191>)

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Potential effect of Raw Honey on Gastric Mucosal Healing in Aspirin-induced Rats (AbstractView.aspx?PID=2023-16-3-28)

Author(s): Devyani Diah Wulansari, Aguslina Kirtishanti, Reine Risa Risthanti, Devyana Dyah Wulandari, Lili Soetjipto, Dwi Winarni

DOI: 10.52711/0974-360X.2023.00192 (<https://www.doi.org/10.52711/0974-360X.2023.00192>)

Views: 0 (pdf), 76 (html)

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Cite: Devyani Diah Wulansari, Aguslina Kirtishanti, Reine Risa Risthanti, Devyana Dyah Wulandari, Lili Soetjipto, Dwi Winarni. Potential effect of Raw Honey on Gastric Mucosal Healing in Aspirin-induced Rats. *Research Journal of Pharmacy and Technology* 2023; 16(3):1153-0. doi: 10.52711/0974-360X.2023.00192 (<https://www.doi.org/10.52711/0974-360X.2023.00192>)

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3-28)

Determination of Phytochemicals, in vitro Antioxidant and Antibacterial activity of *Lavandula angustifolia* Mill. (AbstractView.aspx?PID=2023-16-3-29)

Author(s): Gulzar Ahmed Rather, Anima Nanda, Ezekiel Raj, N. Mathivanan, K. Thiruvengadam, Mohmmad Ashaq Sofi, B. K. Nayak

DOI: 10.52711/0974-360X.2023.00193 (<https://www.doi.org/10.52711/0974-360X.2023.00193>)

Views: 0 (pdf), 70 (html)

Access:  Closed Access

Cite: Gulzar Ahmed Rather, Anima Nanda, Ezekiel Raj, N. Mathivanan, K. Thiruvengadam, Mohmmad Ashaq Sofi, B. K. Nayak. Determination of Phytochemicals, in vitro Antioxidant and Antibacterial activity of *Lavandula angustifolia* Mill. *Research Journal of Pharmacy and Technology* 2023; 16(3):1161-6. doi: 10.52711/0974-360X.2023.00193 (<https://www.doi.org/10.52711/0974-360X.2023.00193>)

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(AbstractView.aspx?

PID=2023-16-

3-29)

Development and Validation of a Forced Degradation UPLC Method for the Simultaneous Determination of Nebivolol HCl and Valsartan in Bulk and Pharmaceutical Dosage Form (AbstractView.aspx?PID=2023-16-3-3)

Author(s): S. Sangeetha, S. Alexandar, M. V. Kumudhavalli, M. Kumar

DOI: 10.52711/0974-360X.2023.00167 (<https://www.doi.org/10.52711/0974-360X.2023.00167>)

Views: 0 (pdf), 58 (html)

Access:  Closed Access

Cite: S. Sangeetha, S. Alexandar, M. V. Kumudhavalli, M. Kumar. Development and Validation of a Forced Degradation UPLC Method for the Simultaneous Determination of Nebivolol HCl and Valsartan in Bulk and Pharmaceutical Dosage Form. *Research Journal of Pharmacy and Technology* 2023; 16(3):1002-6. doi: 10.52711/0974-360X.2023.00167 (<https://www.doi.org/10.52711/0974-360X.2023.00167>)

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(AbstractView.aspx?

PID=2023-16-

3-3)

In silico Studies of Potential Drug-like Compounds from various Medicinal Plants: The Discovery of JAK1 Inhibitors and JAK3 Inhibitors (AbstractView.aspx?PID=2023-16-3-30)

Author(s): Ahmad Dzulfikri Nurhan, Maria Apriliani Gani, Jamal Nasser Saleh Al-Maamari, Mahardian Rahmadi, Chrismawan Ardianto, Junaidi Khotib

DOI: 10.52711/0974-360X.2023.00194 (<https://www.doi.org/10.52711/0974-360X.2023.00194>)

Views: 0 (pdf), 39 (html)

Access:  Closed Access

Cite: Ahmad Dzulfikri Nurhan, Maria Apriliani Gani, Jamal Nasser Saleh Al-Maamari, Mahardian Rahmadi, Chrismawan Ardianto, Junaidi Khotib. In silico Studies of Potential Drug-like Compounds from various Medicinal Plants: The Discovery of JAK1 Inhibitors and JAK3 Inhibitors. *Research Journal of Pharmacy and Technology* 2023; 16(3):1167-4. doi: 10.52711/0974-360X.2023.00194 (<https://www.doi.org/10.52711/0974-360X.2023.00194>)

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(AbstractView.aspx?

PID=2023-16-

3-30)

Depression and Fatigue in Rheumatoid Arthritis- A Study in Southern India (AbstractView.aspx?PID=2023-16-3-31)

Author(s): Emily James, Suseem Sundaram, Renjitham

DOI: 10.52711/0974-360X.2023.00195 (<https://www.doi.org/10.52711/0974-360X.2023.00195>)

Views: 0 (pdf), 62 (html)

Access:  Closed Access

Cite: Emily James, Suseem Sundaram, Renjitham. Depression and Fatigue in Rheumatoid Arthritis- A Study in Southern India. *Research Journal of Pharmacy and Technology* 2023; 16(3):1175-9. doi: 10.52711/0974-360X.2023.00195 (<https://www.doi.org/10.52711/0974-360X.2023.00195>)

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(AbstractView.aspx?

PID=2023-16-

3-31)

Chrysanthemum cinerariifolium (Trev.) Vis leaves extract reduces the level of Macrophages, Interleukin-17, and Keratinization in Oral squamous cell carcinoma rat model (AbstractView.aspx?PID=2023-16-3-32)

Author(s): Anik Listiyana, Risma Aprinda Kristanti, Nadya Dharmayanti, Rizkia Milladina Hidayatulloh, Sakinah Baraja

DOI: 10.52711/0974-360X.2023.00196 (<https://www.doi.org/10.52711/0974-360X.2023.00196>)

Views: 0 (pdf), 46 (html)

Access:  Closed Access

Cite: Anik Listiyana, Risma Aprinda Kristanti, Nadya Dharmayanti, Rizkia Milladina Hidayatulloh, Sakinah Baraja. Chrysanthemum cinerariifolium (Trev.) Vis leaves extract reduces the level of Macrophages, Interleukin-17, and Keratinization in Oral squamous cell carcinoma rat model. *Research Journal of Pharmacy and Technology* 2023; 16(3):1180-6. doi: 10.52711/0974-360X.2023.00196 (<https://www.doi.org/10.52711/0974-360X.2023.00196>)

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(AbstractView.aspx?

PID=2023-16-

3-32)

Potential Ethanol Extract of Rhinchantus nasutus (L.) Kurz Stem Bark as Antioxidant and Inhibitor of Dipeptidyl Peptidase IV (DPP IV) Activity (AbstractView.aspx?PID=2023-16-3-33)

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

DOI: 10.52711/0974-360X.2023.00197 (<https://www.doi.org/10.52711/0974-360X.2023.00197>)

Views: 0 (pdf), 53 (html)

Access:  Closed Access

Cite: Candra Irawan, Berna Elya, Muhammad Hanafi, Fadlina Chany Saputri. Potential Ethanol Extract of Rhinchantus nasutus (L.) Kurz Stem Bark as Antioxidant and Inhibitor of Dipeptidyl Peptidase IV (DPP IV) Activity. *Research Journal of Pharmacy and Technology* 2023; 16(3):1187-2. doi: 10.52711/0974-360X.2023.00197 (<https://www.doi.org/10.52711/0974-360X.2023.00197>)

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(AbstractView.aspx?

PID=2023-16-

3-33)

Anatomical study of *Dracocephalum ruyschiana* L. and *Dracocephalum nutans* L. (AbstractView.aspx?PID=2023-16-3-34)

Author(s): Sabiyeva A., Ishmuratova M. Yu., Atazhanova G. A., Smagulov M. K., Kurmantayeva G. K., Ashirbekova B. B., Taiken A. A.

DOI: 10.52711/0974-360X.2023.00198 (<https://www.doi.org/10.52711/0974-360X.2023.00198>)

Views: 0 (pdf), 35 (html)

Access:  Closed Access

Cite: Sabiyeva A., Ishmuratova M. Yu., Atazhanova G. A., Smagulov M. K., Kurmantayeva G. K., Ashirbekova B. B., Taiken A. A.. Anatomical study of *Dracocephalum ruyschiana* L. and *Dracocephalum nutans* L. *Research Journal of Pharmacy and Technology* 2023; 16(3):1193-8. doi: 10.52711/0974-360X.2023.00198 (<https://www.doi.org/10.52711/0974-360X.2023.00198>)

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(AbstractView.aspx?
PID=2023-16-
3-34)

Spectrophotometric Simultaneous Estimation of Raloxifene and Naringin by Vierordt's Method (AbstractView.aspx?PID=2023-16-3-35)

Author(s): Abdulsalam Alhalmi, Saima Amin, Kanchan Kohli

DOI: 10.52711/0974-360X.2023.00199 (<https://www.doi.org/10.52711/0974-360X.2023.00199>)

Views: 0 (pdf), 44 (html)

Access:  Closed Access

Cite: Abdulsalam Alhalmi, Saima Amin, Kanchan Kohli, Spectrophotometric Simultaneous Estimation of Raloxifene and Naringin by Vierordt's Method. *Research Journal of Pharmacy and Technology* 2023; 16(3):1199-4. doi: 10.52711/0974-360X.2023.00199 (<https://www.doi.org/10.52711/0974-360X.2023.00199>)

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(AbstractView.aspx?
PID=2023-16-
3-35)

Effects of Polyphenols on changes in the transport of Ca²⁺ NMDA-receptors under the influence of L-glutamate (AbstractView.aspx?PID=2023-16-3-36)

Author(s): Nozim N. Khoshimov, Alisher A. Mukhtorov, Kabil E. Nasirov, Rakhmatilla N. R;akhimov, Rahmatjon R. Mamadaminov

DOI: 10.52711/0974-360X.2023.00200 (<https://www.doi.org/10.52711/0974-360X.2023.00200>)

Views: 0 (pdf), 60 (html)

Access:  Closed Access

Cite: Nozim N. Khoshimov, Alisher A. Mukhtorov, Kabil E. Nasirov, Rakhmatilla N. R;akhimov, Rahmatjon R. Mamadaminov. Effects of Polyphenols on changes in the transport of Ca²⁺ NMDA-receptors under the influence of L-glutamate. *Research Journal of Pharmacy and Technology* 2023; 16(3):1205-3. doi: 10.52711/0974-360X.2023.00200 (<https://www.doi.org/10.52711/0974-360X.2023.00200>)

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(AbstractView.aspx?
PID=2023-16-
3-36)

Analysis and correlation of small dense low-density lipoprotein-cholesterol (sdLDL-C) with various lipoproteins and cardiac markers in acute coronary syndrome patients associated with normal Low-density lipoprotein-cholesterol (LDL-C) level: A cross sectional study. (AbstractView.aspx?PID=2023-16-3-37)

Author(s): Greeshma B. Kotian, Mahalaxmi S. Petimani, Prabhakar Adake, Rahul Ramanujam, Afrah B. Kunjibettu

DOI: 10.52711/0974-360X.2023.00201 (<https://www.doi.org/10.52711/0974-360X.2023.00201>)

Views: 0 (pdf), 42 (html)

Access:  Closed Access

Cite: Greeshma B. Kotian, Mahalaxmi S. Petimani, Prabhakar Adake, Rahul Ramanujam, Afrah B. Kunjibettu.

Analysis and correlation of small dense low-density lipoprotein-cholesterol (sdLDL-C) with various lipoproteins and cardiac markers in acute coronary syndrome patients associated with normal Low-density lipoprotein-cholesterol (LDL-C) level: A cross sectional study. *Research Journal of Pharmacy and Technology* 2023; 16(3):1214-8. doi: 10.52711/0974-360X.2023.00201 (<https://www.doi.org/10.52711/0974-360X.2023.00201>)

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(AbstractView.aspx?
PID=2023-16-
3-37)

Ethosomes Loaded with Spiranolactone for Acne treatment through Topical Gel Formulation (AbstractView.aspx?PID=2023-16-3-38)

Author(s): Shalu Verma, Alka Singh, Vikash Jakhmola

DOI: 10.52711/0974-360X.2023.00202 (<https://www.doi.org/10.52711/0974-360X.2023.00202>)

Views: 0 (pdf), 83 (html)

Access:  Closed Access

Cite: Shalu Verma, Alka Singh, Vikash Jakhmola. Ethosomes Loaded with Spiranolactone for Acne treatment through Topical Gel Formulation. *Research Journal of Pharmacy and Technology* 2023; 16(3):1219-4. doi: 10.52711/0974-360X.2023.00202 (<https://www.doi.org/10.52711/0974-360X.2023.00202>)

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(AbstractView.aspx?
PID=2023-16-
3-38)

Oxidative Stress and Renal Function in Pediatric Patients with Beta Thalassemia Major (β -TM) Receiving Deferiprone and Deferasirox: A Cross-Sectional, Single Center Study (AbstractView.aspx?PID=2023-16-3-39)

Author(s): Andreas Budi Wijaya, Wulandewi Marhaeni, Triawanti, Wivina Riza Devi, Maulana Saputra, Galih Rahman

DOI: 10.52711/0974-360X.2023.00203 (<https://www.doi.org/10.52711/0974-360X.2023.00203>)

Views: 0 (pdf), 33 (html)

Access:  Closed Access

Cite: Andreas Budi Wijaya, Wulandewi Marhaeni, Triawanti, Wivina Riza Devi, Maulana Saputra, Galih Rahman. Oxidative Stress and Renal Function in Pediatric Patients with Beta Thalassemia Major (β -TM) Receiving Deferiprone and Deferasirox: A Cross-Sectional, Single Center Study. *Research Journal of Pharmacy and Technology* 2023; 16(3):1225-0. doi: 10.52711/0974-360X.2023.00203 (<https://www.doi.org/10.52711/0974-360X.2023.00203>)

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(AbstractView.aspx?
PID=2023-16-
3-39)

Molecular Identification, Dimorphism and Virulence of *C. albicans* (AbstractView.aspx?PID=2023-16-3-4)

Author(s): Mohsen A. Sayed, Gihad A. Sayed*, Eman Abdullah M. Ali

DOI: 10.52711/0974-360X.2023.00168 (<https://www.doi.org/10.52711/0974-360X.2023.00168>)

Views: 0 (pdf), 59 (html)

Access:  Closed Access

Cite: Mohsen A. Sayed, Gihad A. Sayed*, Eman Abdullah M. Ali. Molecular Identification, Dimorphism and Virulence of *C. albicans*. *Research Journal of Pharmacy and Technology* 2023; 16(3):1007-1. doi: 10.52711/0974-360X.2023.00168 (<https://www.doi.org/10.52711/0974-360X.2023.00168>)

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(AbstractView.aspx?

PID=2023-16-

3-4)

Evaluating the Sapindusrarak DC Chemical compounds for their ability to inhibit the growth of *Fusobacterium nucleatum* In vitro (AbstractView.aspx?PID=2023-16-3-40)

Author(s): Nevi Yanti, Cut Nurliza, Basri A. Gani

DOI: 10.52711/0974-360X.2023.00204 (<https://www.doi.org/10.52711/0974-360X.2023.00204>)

Views: 0 (pdf), 41 (html)

Access:  Closed Access

Cite: Nevi Yanti, Cut Nurliza, Basri A. Gani. Evaluating the Sapindusrarak DC Chemical compounds for their ability to inhibit the growth of *Fusobacterium nucleatum* In vitro. *Research Journal of Pharmacy and Technology* 2023; 16(3):1231-8. doi: 10.52711/0974-360X.2023.00204 (<https://www.doi.org/10.52711/0974-360X.2023.00204>)

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(AbstractView.aspx?

PID=2023-16-

3-40)

The Cream which relieves the pain of Menstrual cramps without interfering with the Hormones or Period Cycle (AbstractView.aspx?PID=2023-16-3-41)

Author(s): Syeda Tuba Imam, Syed Saif Imam

DOI: 10.52711/0974-360X.2023.00205 (<https://www.doi.org/10.52711/0974-360X.2023.00205>)

Views: 0 (pdf), 51 (html)

Access:  Closed Access

Cite: Syeda Tuba Imam, Syed Saif Imam. The Cream which relieves the pain of Menstrual cramps without interfering with the Hormones or Period Cycle. *Research Journal of Pharmacy and Technology* 2023; 16(3):1239-6. doi: 10.52711/0974-360X.2023.00205 (<https://www.doi.org/10.52711/0974-360X.2023.00205>)

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(AbstractView.aspx?

PID=2023-16-

3-41)

Total Flavonoid, Total Phenolic contents and Antioxidant activity of Methanol and n-hexane extract from purple passion fruit peel (AbstractView.aspx?PID=2023-16-3-42)

Author(s): Khoirul Ngibad, Dheasy Herawati, Siti Delta Aisyah, Lailatul Jannah Triarini, Mohammad Rizki Fadhil Pratama

DOI: 10.52711/0974-360X.2023.00206 (<https://www.doi.org/10.52711/0974-360X.2023.00206>)

Views: 0 (pdf), 163 (html)

Access:  Closed Access

Cite: Khoirul Ngibad, Dheasy Herawati, Siti Delta Aisyah, Lailatul Jannah Triarini, Mohammad Rizki Fadhil Pratama. Total Flavonoid, Total Phenolic contents and Antioxidant activity of Methanol and n-hexane extract from purple passion fruit peel. *Research Journal of Pharmacy and Technology* 2023; 16(3):1247-3. doi: 10.52711/0974-360X.2023.00206 (<https://www.doi.org/10.52711/0974-360X.2023.00206>)

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(AbstractView.aspx?

PID=2023-16-

3-42)

The Study of the Composition of Chloroform Fraction of *Caltha palustris* (AbstractView.aspx?PID=2023-16-3-43)

Author(s): Viktoriia Karpiuk, Roksolana Konechna, YulianKonechnyi, Wieczorek Piotr Pawel, Jasicka Misiak Izabela, Lesia Zhurakhivska, Lilia Bolibrukh

DOI: 10.52711/0974-360X.2023.00207 (<https://www.doi.org/10.52711/0974-360X.2023.00207>)

Views: 0 (pdf), 39 (html)

Access:  Closed Access

Cite: Viktoriia Karpiuk, Roksolana Konechna, YulianKonechnyi, Wieczorek Piotr Pawel, Jasicka Misiak Izabela, Lesia Zhurakhivska, Lilia Bolibrukh. The Study of the Composition of Chloroform Fraction of *Caltha palustris*. *Research Journal of Pharmacy and Technology* 2023; 16(3):1254-8. doi: 10.52711/0974-360X.2023.00207 (<https://www.doi.org/10.52711/0974-360X.2023.00207>)

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(AbstractView.aspx?

PID=2023-16-3-43)

Preparation and In-vitro Evaluation of Timolol Maleate Loaded Ocular inserts by using various polymers (AbstractView.aspx?PID=2023-16-3-44)

Author(s): Raghad A. Dayoub, Antoun Laham

DOI: 10.52711/0974-360X.2023.00208 (<https://www.doi.org/10.52711/0974-360X.2023.00208>)

Views: 0 (pdf), 50 (html)

Access:  Closed Access

Cite: Raghad A. Dayoub, Antoun Laham. Preparation and In-vitro Evaluation of Timolol Maleate Loaded Ocular inserts by using various polymers. *Research Journal of Pharmacy and Technology* 2023; 16(3):1259-1266. doi: 10.52711/0974-360X.2023.00208 (<https://www.doi.org/10.52711/0974-360X.2023.00208>)

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(AbstractView.aspx?

PID=2023-16-3-44)

Synthesis and Biomedical Activity of Aluminium Oxide Nanoparticles by Laser Ablation Technique (AbstractView.aspx?PID=2023-16-3-45)

Author(s): Tuqa Sabah, Kareem H. Jawad, Nebras Al-attar

DOI: 10.52711/0974-360X.2023.00209 (<https://www.doi.org/10.52711/0974-360X.2023.00209>)

Views: 0 (pdf), 37 (html)

Access:  Closed Access

Cite: Tuqa Sabah, Kareem H. Jawad, Nebras Al-attar. Synthesis and Biomedical Activity of Aluminium Oxide Nanoparticles by Laser Ablation Technique. *Research Journal of Pharmacy and Technology* 2023; 16(3):1267-3. doi: 10.52711/0974-360X.2023.00209 (<https://www.doi.org/10.52711/0974-360X.2023.00209>)

Read More »

(AbstractView.aspx?

PID=2023-16-3-45)

Amelioration of Cisplatin and Gentamicin Induced Kidney Damage by *Caryota urens* and *Hyophorbe lagenicaulis* (AbstractView.aspx?PID=2023-16-3-46)

Author(s): Das Saumya, Mazumder Avijit, Gautam Anamaika, Nashra, Hrithik Gupta

DOI: 10.52711/0974-360X.2023.00210 (<https://www.doi.org/10.52711/0974-360X.2023.00210>)

Views: 0 (pdf), 32 (html)

Access:  Closed Access

Cite: Das Saumya, Mazumder Avijit, Gautam Anamaika, Nashra, Hrithik Gupta. Amelioration of Cisplatin and Gentamicin Induced Kidney Damage by *Caryota urens* and *Hyophorbe lagenicaulis*. *Research Journal of Pharmacy and Technology* 2023; 16(3):1274-2. doi: 10.52711/0974-360X.2023.00210 (<https://www.doi.org/10.52711/0974-360X.2023.00210>)

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(AbstractView.aspx?

PID=2023-16-3-46)

Development and In-vitro Effectiveness of Tooth-gel containing Herbal Extracts (AbstractView.aspx?PID=2023-16-3-47)

Author(s): Mythili Srinivasan, Deshmukh Apurva, Wani Manish, Polshettiwar Satish, Pande Varun, Deshpande Maitreyee, Pandit Ashlesha, Tagalpallewar Amol, Baheti Akshay

DOI: 10.52711/0974-360X.2023.00211 (<https://www.doi.org/10.52711/0974-360X.2023.00211>)

Views: 0 (pdf), 42 (html)

Access:  Closed Access

Cite: Mythili Srinivasan, Deshmukh Apurva, Wani Manish, Polshettiwar Satish, Pande Varun, Deshpande Maitreyee, Pandit Ashlesha, Tagalpallewar Amol, Baheti Akshay. Development and In-vitro Effectiveness of Tooth-gel containing Herbal Extracts. *Research Journal of Pharmacy and Technology* 2023; 16(3):1283-8. doi: 10.52711/0974-360X.2023.00211 (<https://www.doi.org/10.52711/0974-360X.2023.00211>)

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(AbstractView.aspx?
PID=2023-16-
3-47)

The Spectral Study and Biological Activity for Azo-Shiff Bases Derivatives containing Pyrimidine Ring (AbstractView.aspx?PID=2023-16-3-48)

Author(s): Radhiyah Abdul Baqi Aldujaili, Rasha Nazik Talib, Ahmed Ali younus Alhasan

DOI: 10.52711/0974-360X.2023.00212 (<https://www.doi.org/10.52711/0974-360X.2023.00212>)

Views: 0 (pdf), 40 (html)

Access:  Closed Access

Cite: Radhiyah Abdul Baqi Aldujaili, Rasha Nazik Talib, Ahmed Ali younus Alhasan. The Spectral Study and Biological Activity for Azo-Shiff Bases Derivatives containing Pyrimidine Ring. *Research Journal of Pharmacy and Technology* 2023; 16(3):1289-5. doi: 10.52711/0974-360X.2023.00212 (<https://www.doi.org/10.52711/0974-360X.2023.00212>)

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(AbstractView.aspx?
PID=2023-16-
3-48)

Efficacy of Four different Botanical sources on some Human and Fish Pathogenic Bacteria (AbstractView.aspx?PID=2023-16-3-49)

Author(s): Shubhaisi Das, Sunanda Burman, Goutam Chandra

DOI: 10.52711/0974-360X.2023.00213 (<https://www.doi.org/10.52711/0974-360X.2023.00213>)

Views: 0 (pdf), 58 (html)

Access:  Closed Access

Cite: Shubhaisi Das, Sunanda Burman, Goutam Chandra. Efficacy of Four different Botanical sources on some Human and Fish Pathogenic Bacteria. *Research Journal of Pharmacy and Technology* 2023; 16(3):1296-2. doi: 10.52711/0974-360X.2023.00213 (<https://www.doi.org/10.52711/0974-360X.2023.00213>)

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(AbstractView.aspx?
PID=2023-16-
3-49)

RP-HPLC hyphenated with ESI -Q-TOF –MS for the detection of potential degradants in dolutegravir (AbstractView.aspx?PID=2023-16-3-5)

Author(s): Jane Mathew, Neethu Mathew V

DOI: 10.52711/0974-360X.2023.00169 (<https://www.doi.org/10.52711/0974-360X.2023.00169>)

Views: 0 (pdf), 76 (html)

Access:  Closed Access

Cite: Jane Mathew, Neethu Mathew V. RP-HPLC hyphenated with ESI -Q-TOF –MS for the detection of potential degradants in dolutegravir. *Research Journal of Pharmacy and Technology* 2023; 16(3):1012-6. doi: 10.52711/0974-360X.2023.00169 (<https://www.doi.org/10.52711/0974-360X.2023.00169>)

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(AbstractView.aspx?
PID=2023-16-
3-5)

Antitumor activity of Metformin through p53 and Cyclin D1 in the Urothelial Cell Carcinoma (AbstractView.aspx?PID=2023-16-3-50)

Author(s): Anny Setijo Rahaju, Arifa Mustika, Priangga Adi Wiratama, Lukman Hakim, Doddy M. Soebadi

DOI: 10.52711/0974-360X.2023.00214 (<https://www.doi.org/10.52711/0974-360X.2023.00214>)

Views: 0 (pdf), 34 (html)

Access:  Closed Access

Cite: Anny Setijo Rahaju, Arifa Mustika, Priangga Adi Wiratama, Lukman Hakim, Doddy M. Soebadi. Antitumor activity of Metformin through p53 and Cyclin D1 in the Urothelial Cell Carcinoma. *Research Journal of Pharmacy and Technology* 2023; 16(3):1303-8. doi: 10.52711/0974-360X.2023.00214 (<https://www.doi.org/10.52711/0974-360X.2023.00214>)

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(AbstractView.aspx?

PID=2023-16-

3-50)

Formulation, Characterization and In Vitro Evaluation of ProShine MBTMGMIHS Herbal Sunscreen cream containing Flower Extract (AbstractView.aspx?PID=2023-16-3-51)

Author(s): Rutuja Bhide, Durga Madasu, Poonam Patil, Navami Dayal, Omkar Koppaka, Shamshad Ather, Mansee Thakur

DOI: 10.52711/0974-360X.2023.00215 (<https://www.doi.org/10.52711/0974-360X.2023.00215>)

Views: 0 (pdf), 44 (html)

Access:  Closed Access

Cite: Rutuja Bhide, Durga Madasu, Poonam Patil, Navami Dayal, Omkar Koppaka, Shamshad Ather, Mansee Thakur. Formulation, Characterization and In Vitro Evaluation of ProShine MBTMGMIHS Herbal Sunscreen cream containing Flower Extract. *Research Journal of Pharmacy and Technology* 2023; 16(3):1309-3. doi: 10.52711/0974-360X.2023.00215 (<https://www.doi.org/10.52711/0974-360X.2023.00215>)

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(AbstractView.aspx?

PID=2023-16-

3-51)

Antimalarial Activity of Ethyl Acetate and n-Hexane Fractions of Ashitaba Leaves (Angelica keiskei K.) (AbstractView.aspx?PID=2023-16-3-52)

Author(s): Alvi K. Wardani, Safwan, Ni P. Hapsari, Irmatika Hendriyani, Muhammad T. Ridwansyah, Abdul R. Wahid

DOI: 10.52711/0974-360X.2023.00216 (<https://www.doi.org/10.52711/0974-360X.2023.00216>)

Views: 0 (pdf), 42 (html)

Access:  Closed Access

Cite: Alvi K. Wardani, Safwan, Ni P. Hapsari, Irmatika Hendriyani, Muhammad T. Ridwansyah, Abdul R. Wahid. Antimalarial Activity of Ethyl Acetate and n-Hexane Fractions of Ashitaba Leaves (*Angelica keiskei* K.). *Research Journal of Pharmacy and Technology* 2023; 16(3):1316-8. doi: 10.52711/0974-360X.2023.00216 (<https://www.doi.org/10.52711/0974-360X.2023.00216>)

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(AbstractView.aspx?

PID=2023-16-

3-52)

Design and Characterization of Microemulsion System for Fentanyl citrate (AbstractView.aspx?PID=2023-16-3-53)

Author(s): *Dhanashree P. Sanap, Nidhi P. Sapkal, Anwar S. Daud*

DOI: [10.52711/0974-360X.2023.00217](https://www.doi.org/10.52711/0974-360X.2023.00217) (<https://www.doi.org/10.52711/0974-360X.2023.00217>)

Views: 0 (pdf), 33 (html)

Access:  Closed Access

Cite: *Dhanashree P. Sanap, Nidhi P. Sapkal, Anwar S. Daud. Design and Characterization of Microemulsion System for Fentanyl citrate. Research Journal of Pharmacy and Technology 2023; 16(3):1319-6. doi: 10.52711/0974-360X.2023.00217* (<https://www.doi.org/10.52711/0974-360X.2023.00217>)

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(AbstractView.aspx?

PID=2023-16-

3-53)

Increasing Prevalence of Congenital Hypothyroidism in children with Down Syndrome who have a family history of Thyroid disease (AbstractView.aspx?PID=2023-16-3-54)

Author(s): *Ahmed Salim Mahmood, Altalebi Raghid Reyadh, Basman Q. Shareef, Ali H. Albu-Rghaif, Hany A. Al-hussaniy, Meena Akeel Najj*

DOI: [10.52711/0974-360X.2023.00218](https://www.doi.org/10.52711/0974-360X.2023.00218) (<https://www.doi.org/10.52711/0974-360X.2023.00218>)

Views: 0 (pdf), 44 (html)

Access:  Closed Access

Cite: *Ahmed Salim Mahmood, Altalebi Raghid Reyadh, Basman Q. Shareef, Ali H. Albu-Rghaif, Hany A. Al-hussaniy, Meena Akeel Najj. Increasing Prevalence of Congenital Hypothyroidism in children with Down Syndrome who have a family history of Thyroid disease. Research Journal of Pharmacy and Technology 2023; 16(3):1327-2. doi: 10.52711/0974-360X.2023.00218* (<https://www.doi.org/10.52711/0974-360X.2023.00218>)

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(AbstractView.aspx?

PID=2023-16-

3-54)

Worldwide Publication Trends of Drug Repurposing and Drug Repositioning in the Science of Medicine (2003-2022) (AbstractView.aspx?PID=2023-16-3-55)

Author(s): *Lalu Muhammad Irham, Zalik Nuryana, Dyah Aryani Perwitasari, Yudha Rizky Nuari, Made Ary Sarasmita, Wirawan Adikusuma, Haafizah Dania, Rita Maliza, Rocky Cheung*

DOI: [10.52711/0974-360X.2023.00219](https://www.doi.org/10.52711/0974-360X.2023.00219) (<https://www.doi.org/10.52711/0974-360X.2023.00219>)

Views: 0 (pdf), 108 (html)

Access:  Closed Access

Cite: *Lalu Muhammad Irham, Zalik Nuryana, Dyah Aryani Perwitasari, Yudha Rizky Nuari, Made Ary Sarasmita, Wirawan Adikusuma, Haafizah Dania, Rita Maliza, Rocky Cheung. Worldwide Publication Trends of Drug Repurposing and Drug Repositioning in the Science of Medicine (2003-2022). Research Journal of Pharmacy and Technology 2023; 16(3):1333-1. doi: 10.52711/0974-360X.2023.00219* (<https://www.doi.org/10.52711/0974-360X.2023.00219>)

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(AbstractView.aspx?

PID=2023-16-

3-55)

Formulation and Evaluation of Film Forming Solution of Tavaborole for Treatment of Skin Infections (AbstractView.aspx?PID=2023-16-3-56)

Author(s): Pravin D. Harak, Amar G. Zalte, Vishal S. Gulecha

DOI: 10.52711/0974-360X.2023.00220 (<https://www.doi.org/10.52711/0974-360X.2023.00220>)

Views: 0 (pdf), 39 (html)

Access:  Closed Access

Cite: Pravin D. Harak, Amar G. Zalte, Vishal S. Gulecha. Formulation and Evaluation of Film Forming Solution of Tavaborole for Treatment of Skin Infections. *Research Journal of Pharmacy and Technology* 2023; 16(3):1342-6. doi: 10.52711/0974-360X.2023.00220 (<https://www.doi.org/10.52711/0974-360X.2023.00220>)

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(AbstractView.aspx?

PID=2023-16-

3-56)

Correlation of Salivary Uric Acid and Cardiac Autonomic Modulation in Metabolic Syndrome Population (AbstractView.aspx?PID=2023-16-3-57)

Author(s): Bhagyashree N, Ganesh M, Ramaswamy C

DOI: 10.52711/0974-360X.2023.00221 (<https://www.doi.org/10.52711/0974-360X.2023.00221>)

Views: 0 (pdf), 40 (html)

Access:  Closed Access

Cite: Bhagyashree N, Ganesh M, Ramaswamy C. Correlation of Salivary Uric Acid and Cardiac Autonomic Modulation in Metabolic Syndrome Population. *Research Journal of Pharmacy and Technology* 2023; 16(3):1347-0. doi: 10.52711/0974-360X.2023.00221 (<https://www.doi.org/10.52711/0974-360X.2023.00221>)

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(AbstractView.aspx?

PID=2023-16-

3-57)

Effect of Pectin and Citric acid on Total Bacterial Load, Fungal Load, and Techno-economic Feasibility from processing to the storage of Guava Jelly (AbstractView.aspx?PID=2023-16-3-58)

Author(s): Gul-e-Saba Chaudhry, Abdul Matin, Isfaq Wahid Bin Rahim, Mizanur Rahman, Yeong Yik Sung, Tengku Muhammad Tengku Sifzizul

DOI: 10.52711/0974-360X.2023.00222 (<https://www.doi.org/10.52711/0974-360X.2023.00222>)

Views: 0 (pdf), 53 (html)

Access:  Closed Access

Cite: Gul-e-Saba Chaudhry, Abdul Matin, Isfaq Wahid Bin Rahim, Mizanur Rahman, Yeong Yik Sung, Tengku Muhammad Tengku Sifzizul. Effect of Pectin and Citric acid on Total Bacterial Load, Fungal Load, and Techno-economic Feasibility from processing to the storage of Guava Jelly. *Research Journal of Pharmacy and Technology* 2023; 16(3):1351-4. doi: 10.52711/0974-360X.2023.00222 (<https://www.doi.org/10.52711/0974-360X.2023.00222>)

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(AbstractView.aspx?

PID=2023-16-

3-58)

Evaluation of Two Assays Immunochromatography and RT-PCR for detection of Rotavirus in Iraqi Children (AbstractView.aspx?PID=2023-16-3-59)

Author(s): Zahraa H. Zaboony, Shaimaa M. Mohammed, Hayder A. Muhammed, Jabar A. Faraj

DOI: 10.52711/0974-360X.2023.00223 (<https://www.doi.org/10.52711/0974-360X.2023.00223>)

Views: 0 (pdf), 60 (html)

Access:  Closed Access

Cite: Zahraa H. Zaboony, Shaimaa M. Mohammed, Hayder A. Muhammed, Jabar A. Faraj. Evaluation of Two Assays Immunochromatography and RT-PCR for detection of Rotavirus in Iraqi Children. *Research Journal of Pharmacy and Technology* 2023; 16(3):1355-8. doi: 10.52711/0974-360X.2023.00223 (<https://www.doi.org/10.52711/0974-360X.2023.00223>)

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(AbstractView.aspx?
PID=2023-16-
3-59)

Rapid RP-HPLC Method for Simultaneous estimation of Umeclidinium and Vilanterol in human plasma (AbstractView.aspx?PID=2023-16-3-6)

Author(s): G. Raveendra Babu, M. Sowjanya, M. Ramayyappa, Md. Abdul Karishma, V. Bharathi, G. Renuka Swathi, Ch. Renuka, G. Gopala Krishna, M. Lavanya

DOI: 10.52711/0974-360X.2023.00170 (<https://www.doi.org/10.52711/0974-360X.2023.00170>)

Views: 0 (pdf), 62 (html)

Access:  Closed Access

Cite: G. Raveendra Babu, M. Sowjanya, M. Ramayyappa, Md. Abdul Karishma, V. Bharathi, G. Renuka Swathi, Ch. Renuka, G. Gopala Krishna, M. Lavanya. Rapid RP-HPLC Method for Simultaneous estimation of Umeclidinium and Vilanterol in human plasma. *Research Journal of Pharmacy and Technology* 2023; 16(3):1017-2. doi: 10.52711/0974-360X.2023.00170 (<https://www.doi.org/10.52711/0974-360X.2023.00170>)

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(AbstractView.aspx?
PID=2023-16-
3-6)

Optimization of Tacrolimus Loaded Reconstituted Nanoparticles by QbD Method (AbstractView.aspx?PID=2023-16-3-60)

Author(s): Prafulla Chaudhari, Snehal Jadhav, Priyanka Chaudhari, Sagar Wankhede, Shital Chandewar

DOI: 10.52711/0974-360X.2023.00224 (<https://www.doi.org/10.52711/0974-360X.2023.00224>)

Views: 0 (pdf), 69 (html)

Access:  Closed Access

Cite: Prafulla Chaudhari, Snehal Jadhav, Priyanka Chaudhari, Sagar Wankhede, Shital Chandewar. Optimization of Tacrolimus Loaded Reconstituted Nanoparticles by QbD Method. *Research Journal of Pharmacy and Technology* 2023; 16(3):1359-8. doi: 10.52711/0974-360X.2023.00224 (<https://www.doi.org/10.52711/0974-360X.2023.00224>)

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(AbstractView.aspx?
PID=2023-16-
3-60)

Synergistic effect of Moringa Leaves and Antifungal on Candida albicans (AbstractView.aspx?PID=2023-16-3-61)

Author(s): Hadeel Esam Hassan, Sundus Hameed Ahmed

DOI: 10.52711/0974-360X.2023.00225 (<https://www.doi.org/10.52711/0974-360X.2023.00225>)

Views: 0 (pdf), 39 (html)

Access:  Closed Access

Cite: Hadeel Esam Hassan, Sundus Hameed Ahmed. Synergistic effect of Moringa Leaves and Antifungal on Candida albicans. *Research Journal of Pharmacy and Technology* 2023; 16(3):1369-4. doi: 10.52711/0974-360X.2023.00225 (<https://www.doi.org/10.52711/0974-360X.2023.00225>)

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(AbstractView.aspx?
PID=2023-16-
3-61)

The Pharmacognostic Study of Leaves and Stems of Plant *Clematis hedysarifolia* DC. (AbstractView.aspx?PID=2023-16-3-62)

Author(s): Sonali R. Gawali, Jitendra Y. Nehete, Minal Narkhede

DOI: 10.52711/0974-360X.2023.00226 (<https://www.doi.org/10.52711/0974-360X.2023.00226>)

Views: 0 (pdf), 34 (html)

Access:  Closed Access

Cite: Sonali R. Gawali, Jitendra Y. Nehete, Minal Narkhede. The Pharmacognostic Study of Leaves and Stems of *Plant Clematis hedysarifolia* DC. *Research Journal of Pharmacy and Technology* 2023; 16(3):1375-8. doi: 10.52711/0974-360X.2023.00226 (<https://www.doi.org/10.52711/0974-360X.2023.00226>)

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(AbstractView.aspx?

PID=2023-16-

3-62)

Evaluation of Physiochemical and Phytochemical Parameters of *Eichhornia crassipes* (Mart.) Solms (AbstractView.aspx?PID=2023-16-3-63)

Author(s): Anuradha Shukla, Pankaj Jain, Rashmi Tripathi

DOI: 10.52711/0974-360X.2023.00227 (<https://www.doi.org/10.52711/0974-360X.2023.00227>)

Views: 0 (pdf), 39 (html)

Access:  Closed Access

Cite: Anuradha Shukla, Pankaj Jain, Rashmi Tripathi. Evaluation of Physiochemical and Phytochemical Parameters of *Eichhornia crassipes* (Mart.) Solms. *Research Journal of Pharmacy and Technology* 2023; 16(3):1379-4. doi: 10.52711/0974-360X.2023.00227 (<https://www.doi.org/10.52711/0974-360X.2023.00227>)

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(AbstractView.aspx?

PID=2023-16-

3-63)

Molecular Dynamic Simulation Approach to Predict the Compatibility of Formulation Components of Salbutamol Sulfate Metered Dose Inhaler Free off Ethanol (AbstractView.aspx?PID=2023-16-3-64)

Author(s): Alaa Aldabet, Mohammad Haroun, Marof Alkhayer, Wassim Abdelwahed

DOI: 10.52711/0974-360X.2023.00228 (<https://www.doi.org/10.52711/0974-360X.2023.00228>)

Views: 0 (pdf), 27 (html)

Access:  Closed Access

Cite: Alaa Aldabet, Mohammad Haroun, Marof Alkhayer, Wassim Abdelwahed. Molecular Dynamic Simulation Approach to Predict the Compatibility of Formulation Components of Salbutamol Sulfate Metered Dose Inhaler Free off Ethanol. *Research Journal of Pharmacy and Technology* 2023; 16(3):1385-0. doi: 10.52711/0974-360X.2023.00228 (<https://www.doi.org/10.52711/0974-360X.2023.00228>)

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(AbstractView.aspx?

PID=2023-16-

3-64)

Phytochemical, UV-VIS, and FTIR Analysis of *Gracilaria foliifera* (AbstractView.aspx?PID=2023-16-3-65)

Author(s): Mohini Anandrao Salunke, Balaji Sopanrao Wakure, Pravin Shridhar Wakte

DOI: 10.52711/0974-360X.2023.00229 (<https://www.doi.org/10.52711/0974-360X.2023.00229>)

Views: 0 (pdf), 69 (html)

Access:  Closed Access

Cite: Mohini Anandrao Salunke, Balaji Sopanrao Wakure, Pravin Shridhar Wakte. Phytochemical, UV-VIS, and FTIR Analysis of *Gracilaria foliifera*. *Research Journal of Pharmacy and Technology* 2023; 16(3):1391-4. doi: 10.52711/0974-360X.2023.00229 (<https://www.doi.org/10.52711/0974-360X.2023.00229>)

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(AbstractView.aspx?

PID=2023-16-

3-65)

Phytochemical Screening and Antioxidant potential of *Lepidagathis spinosa* Wight ex Nees., Whole plant - In vitro method (AbstractView.aspx?PID=2023-16-3-66)

Author(s): *Sutha Ponnusamy, Sangameswaran Balakrishnan*

DOI: 10.52711/0974-360X.2023.00230 (<https://www.doi.org/10.52711/0974-360X.2023.00230>)

Views: 0 (pdf), 78 (html)

Access:  Closed Access

Cite: *Sutha Ponnusamy, Sangameswaran Balakrishnan. Phytochemical Screening and Antioxidant potential of Lepidagathis spinosa Wight ex Nees., Whole plant - In vitro method. Research Journal of Pharmacy and Technology 2023; 16(3):1395-0. doi: 10.52711/0974-360X.2023.00230 (<https://www.doi.org/10.52711/0974-360X.2023.00230>)*

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(AbstractView.aspx?
PID=2023-16-
3-66)

Survival Analysis of Colon Cancer Data using Quantile Regression (AbstractView.aspx?PID=2023-16-3-67)

Author(s): *Vidya Bhargavi M, Sireesha Veeramachaneni, Venkateswara Rao Mudunuru*

DOI: 10.52711/0974-360X.2023.00231 (<https://www.doi.org/10.52711/0974-360X.2023.00231>)

Views: 0 (pdf), 35 (html)

Access:  Closed Access

Cite: *Vidya Bhargavi M, Sireesha Veeramachaneni, Venkateswara Rao Mudunuru. Survival Analysis of Colon Cancer Data using Quantile Regression. Research Journal of Pharmacy and Technology 2023; 16(3):1401-8. doi: 10.52711/0974-360X.2023.00231 (<https://www.doi.org/10.52711/0974-360X.2023.00231>)*

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(AbstractView.aspx?
PID=2023-16-
3-67)

In-vivo studies to determine Hair Growth Potential of Poly Herbal Medicated Hair Oil in Female Swiss Albino Mice (AbstractView.aspx?PID=2023-16-3-68)

Author(s): *Pandya JK1, Senghani MK, Sukhramani PS, Chaudhari BG*

DOI: 10.52711/0974-360X.2023.00232 (<https://www.doi.org/10.52711/0974-360X.2023.00232>)

Views: 0 (pdf), 49 (html)

Access:  Closed Access

Cite: *Pandya JK1, Senghani MK, Sukhramani PS, Chaudhari BG. In-vivo studies to determine Hair Growth Potential of Poly Herbal Medicated Hair Oil in Female Swiss Albino Mice. Research Journal of Pharmacy and Technology 2023; 16(3):1409-4. doi: 10.52711/0974-360X.2023.00232 (<https://www.doi.org/10.52711/0974-360X.2023.00232>)*

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(AbstractView.aspx?
PID=2023-16-
3-68)

Assessment of Anti-Hepatotoxic Effect of *Bahunia tomentosa* Linn against Paracetamol induced Hepatocellular Damage In Albino Mice (AbstractView.aspx?PID=2023-16-3-69)

Author(s): Jeslyne M. Jeyaraj, Senthilnathan Balaraman, Vigneshwar Murugesan, Balaji Pandiyan, Umakrithika Selvaraj, Anitha Kandhasamy

DOI: 10.52711/0974-360X.2023.00233 (<https://www.doi.org/10.52711/0974-360X.2023.00233>)

Views: 0 (pdf), 73 (html)

Access:  Closed Access

Cite: Jeslyne M. Jeyaraj, Senthilnathan Balaraman, Vigneshwar Murugesan, Balaji Pandiyan, Umakrithika Selvaraj, Anitha Kandhasamy. Assessment of Anti-Hepatotoxic Effect of *Bahunia tomentosa* Linn against Paracetamol induced Hepatocellular Damage In Albino Mice. *Research Journal of Pharmacy and Technology* 2023; 16(3):1415-0. doi: 10.52711/0974-360X.2023.00233 (<https://www.doi.org/10.52711/0974-360X.2023.00233>)

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(AbstractView.aspx?
PID=2023-16-
3-69)

The effect of Mahogany seeds extract (*Swietenia mahagoni*) on the quantity of macrophages in the Post-tooth extraction wound healing phase of Wistar Rats (*Rattus norvegicus*) (AbstractView.aspx?PID=2023-16-3-7)

Author(s): Theresia Indah Budhy, Anis Irmawati, Ira Arundina, Aqsa Sjuhada Oki, Meircurius Dwi Condro Surboyo, Firyal Ahsania, Cecillia Octavianni Raharjo, Mohammad Iqbal

DOI: 10.52711/0974-360X.2023.00171 (<https://www.doi.org/10.52711/0974-360X.2023.00171>)

Views: 0 (pdf), 66 (html)

Access:  Closed Access

Cite: Theresia Indah Budhy, Anis Irmawati, Ira Arundina, Aqsa Sjuhada Oki, Meircurius Dwi Condro Surboyo, Firyal Ahsania, Cecillia Octavianni Raharjo, Mohammad Iqbal. The effect of Mahogany seeds extract (*Swietenia mahagoni*) on the quantity of macrophages in the Post-tooth extraction wound healing phase of Wistar Rats (*Rattus norvegicus*). *Research Journal of Pharmacy and Technology* 2023; 16(3):1023-7. doi: 10.52711/0974-360X.2023.00171 (<https://www.doi.org/10.52711/0974-360X.2023.00171>)

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(AbstractView.aspx?
PID=2023-16-
3-7)

Characterization of famotidine API and simultaneous Quantification of its organic impurities by UPLC (AbstractView.aspx?PID=2023-16-3-70)

Author(s): Gudibanda Chandrasekhar Reddy, Pulipaka Shyamala, Rallabhandi Murali Krishna, Kapavarapu Maruthi Venkata Narayanarao, Mannem Durga Babu

DOI: 10.52711/0974-360X.2023.00234 (<https://www.doi.org/10.52711/0974-360X.2023.00234>)

Views: 0 (pdf), 29 (html)

Access:  Closed Access

Cite: Gudibanda Chandrasekhar Reddy, Pulipaka Shyamala, Rallabhandi Murali Krishna, Kapavarapu Maruthi Venkata Narayanarao, Mannem Durga Babu. Characterization of famotidine API and simultaneous Quantification of its organic impurities by UPLC. *Research Journal of Pharmacy and Technology* 2023; 16(3):1421-7. doi: 10.52711/0974-360X.2023.00234 (<https://www.doi.org/10.52711/0974-360X.2023.00234>)

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(AbstractView.aspx?
PID=2023-16-
3-70)

Persistence and Prevalence of Clinical Symptoms in SARS-CoV-2 infected patients (AbstractView.aspx?PID=2023-16-3-71)

Author(s): Surender Jangra, Paramjeet Singh Gill, Deepinder Singh, Suman Sharma, Savita Bhatia, Khushwant Nandal

DOI: 10.52711/0974-360X.2023.00235 (<https://www.doi.org/10.52711/0974-360X.2023.00235>)

Views: 0 (pdf), 45 (html)

Access:  Closed Access

Cite: Surender Jangra, Paramjeet Singh Gill, Deepinder Singh, Suman Sharma, Savita Bhatia, Khushwant Nandal. Persistence and Prevalence of Clinical Symptoms in SARS-CoV-2 infected patients. *Research Journal of Pharmacy and Technology* 2023; 16(3):1428-2. doi: 10.52711/0974-360X.2023.00235 (<https://www.doi.org/10.52711/0974-360X.2023.00235>)

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(AbstractView.aspx?
PID=2023-16-
3-71)

Formulation, optimization, characterization and in vitro-ex vivo evaluation of atorvastatin loaded solid lipid nanoparticles using quality by design approach (AbstractView.aspx?PID=2023-16-3-72)

Author(s): Nilesh B Chaudhari, Amar G Zalte, Vishal S Gulecha

DOI: 10.52711/0974-360X.2023.00236 (<https://www.doi.org/10.52711/0974-360X.2023.00236>)

Views: 0 (pdf), 40 (html)

Access:  Closed Access

Cite: Nilesh B Chaudhari, Amar G Zalte, Vishal S Gulecha. Formulation, optimization, characterization and in vitro-ex vivo evaluation of atorvastatin loaded solid lipid nanoparticles using quality by design approach. *Research Journal of Pharmacy and Technology* 2023; 16(3):1433-1. doi: 10.52711/0974-360X.2023.00236 (<https://www.doi.org/10.52711/0974-360X.2023.00236>)

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(AbstractView.aspx?
PID=2023-16-
3-72)

Novel Validated UV Spectroscopic Method for the Analysis of Ramipril and Olmesartan medoxomil in Drug Substance as Fixed Dosage Form (AbstractView.aspx?PID=2023-16-3-73)

Author(s): Navin Kumar J, K. Sonia, K. Manikandan

DOI: 10.52711/0974-360X.2023.00237 (<https://www.doi.org/10.52711/0974-360X.2023.00237>)

Views: 0 (pdf), 30 (html)

Access:  Closed Access

Cite: Navin Kumar J, K. Sonia, K. Manikandan. Novel Validated UV Spectroscopic Method for the Analysis of Ramipril and Olmesartan medoxomil in Drug Substance as Fixed Dosage Form. *Research Journal of Pharmacy and Technology* 2023; 16(3):1442-6. doi: 10.52711/0974-360X.2023.00237 (<https://www.doi.org/10.52711/0974-360X.2023.00237>)

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(AbstractView.aspx?
PID=2023-16-
3-73)

Study of sleep irregularity and sleep deprivation in healthy human subject of south eastern region of Chhattisgarh (AbstractView.aspx?PID=2023-16-3-74)

Author(s): Razia Sultana, Praveen Pandre, Shriti Somwanshi, Arvind Agarawal

DOI: 10.52711/0974-360X.2023.00238 (<https://www.doi.org/10.52711/0974-360X.2023.00238>)

Views: 0 (pdf), 50 (html)

Access:  Closed Access

Cite: Razia Sultana, Praveen Pandre, Shriti Somwanshi, Arvind Agarawal. Study of sleep irregularity and sleep deprivation in healthy human subject of south eastern region of Chhattisgarh. *Research Journal of Pharmacy and Technology* 2023; 16(3):1447-1. doi: 10.52711/0974-360X.2023.00238 (<https://www.doi.org/10.52711/0974-360X.2023.00238>)

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(AbstractView.aspx?
PID=2023-16-
3-74)

Bioactive compounds screening, antimicrobial activities of leave extract from two palatable plants: Piper betle and Murraya koenigii (Curry leaves) (AbstractView.aspx?PID=2023-16-3-75)

Author(s): Khin Than Yee, Mohamad Iswandy bin Ibrahim, Tin Moe Nwe, Mya Mya Thwin, Mar Mar Lwin, Khin Cho Aung, Ma Saung Oo, Siti Zaleha binti Raduan, Myat San Yi

DOI: 10.52711/0974-360X.2023.00239 (<https://www.doi.org/10.52711/0974-360X.2023.00239>)

Views: 0 (pdf), 40 (html)

Access:  Closed Access

Cite: Khin Than Yee, Mohamad Iswandy bin Ibrahim, Tin Moe Nwe, Mya Mya Thwin, Mar Mar Lwin, Khin Cho Aung, Ma Saung Oo, Siti Zaleha binti Raduan, Myat San Yi. Bioactive compounds screening, antimicrobial activities of leave extract from two palatable plants: Piper betle and Murraya koenigii (Curry leaves). *Research Journal of Pharmacy and Technology* 2023; 16(3):1452-8. doi: 10.52711/0974-360X.2023.00239 (<https://www.doi.org/10.52711/0974-360X.2023.00239>)

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(AbstractView.aspx?
PID=2023-16-
3-75)

Anticancer Activity of Methanol extract of Limnophila repens and Argyeia cymosa by Using SRB Assay (AbstractView.aspx?PID=2023-16-3-76)

Author(s): Venkateswarlu G, Raja sundararajan

DOI: 10.52711/0974-360X.2023.00240 (<https://www.doi.org/10.52711/0974-360X.2023.00240>)

Views: 0 (pdf), 38 (html)

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Cite: Venkateswarlu G, Raja sundararajan. Anticancer Activity of Methanol extract of Limnophila repens and Argyeia cymosa by Using SRB Assay. *Research Journal of Pharmacy and Technology* 2023; 16(3):1459-2. doi: 10.52711/0974-360X.2023.00240 (<https://www.doi.org/10.52711/0974-360X.2023.00240>)

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Optimization Formula of Coffee-Maca Granules as an Aphrodisiac Functional drink using D-Optimal mixture Design and PCA-CA (AbstractView.aspx?PID=2023-16-3-77)

Author(s): Eka Indra Setyawan, Ni Putu Ari Antari, I Gusti Agung Dewantara Putra, Dewa Ayu Swastini, Hazrul Hamzah, Oktavia Indrati

DOI: 10.52711/0974-360X.2023.00241 (<https://www.doi.org/10.52711/0974-360X.2023.00241>)

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Antibacterial Response of Cinnamomum iners Leaves Extract and Cinnamic Acid Derivative against Pathogens that Triggers Periimplantitis (AbstractView.aspx?PID=2023-16-3-78)

Author(s): Yoghinni Manogaran, Dharshini Jagadeesan, Kamal Narain, Usha Kumari, Preetha Anand, Shalini Shanmugavelu

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Cite: Yoghinni Manogaran, Dharshini Jagadeesan, Kamal Narain, Usha Kumari, Preetha Anand, Shalini Shanmugavelu. Antibacterial Response of Cinnamomum iners Leaves Extract and Cinnamic Acid Derivative against Pathogens that Triggers Periimplantitis. *Research Journal of Pharmacy and Technology* 2023; 16(3):1491-0. doi: 10.52711/0974-360X.2023.00242 (<https://www.doi.org/10.52711/0974-360X.2023.00242>)

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Formulation and Evaluation of Febuxostat and Diclofenac Sodium Emulgel for the Management of Gout (AbstractView.aspx?PID=2023-16-3-79)

Author(s): Nargis Khan, Arti J Majumdar, Neelesh Malviya, Manisha Dhere

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Cite: Nargis Khan, Arti J Majumdar, Neelesh Malviya, Manisha Dhere. Formulation and Evaluation of Febuxostat and Diclofenac Sodium Emulgel for the Management of Gout. *Research Journal of Pharmacy and Technology* 2023; 16(3):1481-3. doi: 10.52711/0974-360X.2023.00243 (<https://www.doi.org/10.52711/0974-360X.2023.00243>)

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Quantitative Estimation of Total Phenolic, Total Flavonoid content and Assessment of In-Vitro Antioxidant Capacity of Psidium guajava L. Leaves Extracts (AbstractView.aspx?PID=2023-16-3-8)

Author(s): Shubhangi A. Patil, Pratibha S. Salve, Rohan S. Phatak, Niranjana D. Chivate

DOI: 10.52711/0974-360X.2023.00172 (<https://www.doi.org/10.52711/0974-360X.2023.00172>)

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New stability indicating liquid chromatographic method for the estimation of Valsartan in pharmaceutical dosage forms (AbstractView.aspx?PID=2023-16-3-80)

Author(s): NS Yamani, Mukthinuthalapati Mathrusri Annapurna

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Cite: NS Yamani, Mukthinuthalapati Mathrusri Annapurna. New stability indicating liquid chromatographic method for the estimation of Valsartan in pharmaceutical dosage forms. *Research Journal of Pharmacy and Technology* 2023; 16(3):1484-0. doi: 10.52711/0974-360X.2023.00244 (<https://www.doi.org/10.52711/0974-360X.2023.00244>)

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Author(s): Arjun H. R., M. P. Venkatesh

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Cite: Arjun H. R., M. P. Venkatesh. Development of Vaccines for Australia: TGA Regulations and Approval process. *Research Journal of Pharmacy and Technology* 2023; 16(3):1491-5. doi: 10.52711/0974-360X.2023.00245 (<https://www.doi.org/10.52711/0974-360X.2023.00245>)

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An Overview on Pharmacophore: Their significance and importance for the activity of Drug Design (AbstractView.aspx?PID=2023-16-3-82)

Author(s): Anil Kumar Sahdev, Priya Gupta, Kanika Manral, Preeti Rana, Anita Singh

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Cite: Anil Kumar Sahdev, Priya Gupta, Kanika Manral, Preeti Rana, Anita Singh. An Overview on Pharmacophore: Their significance and importance for the activity of Drug Design. *Research Journal of Pharmacy and Technology* 2023; 16(3):1496-2. doi: 10.52711/0974-360X.2023.00246 (<https://www.doi.org/10.52711/0974-360X.2023.00246>)

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Antiviral potential of Medicinal plants against Influenza Viruses: A Systematic Review (AbstractView.aspx?PID=2023-16-3-83)

Author(s): Sanjit Boora, Anish Khan, Kumari Soniya, Suman Yadav, Sulochana Kaushik, Ramesh Kumar, Sunil Chhikara, Samander Kaushik

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Cite: Narendra Kumar Dewangan, Partha Roy, Yogesh Kumar Rathore. Online Multi-Video Conference System to Monitor ICU Patients. *Research Journal of Pharmacy and Technology* 2023; 16(3):1521-6. doi: 10.52711/0974-360X.2023.00249 (<https://www.doi.org/10.52711/0974-360X.2023.00249>)

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In-vitro and In-vivo Characterization of Anti-Onychomycotic Transungual patches - A Systematic Review (AbstractView.aspx?PID=2023-16-3-86)

Author(s): Limce Thampi, Gini E J

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Cite: Limce Thampi, Gini E J. In-vitro and In-vivo Characterization of Anti-Onychomycotic Transungual patches - A Systematic Review. *Research Journal of Pharmacy and Technology* 2023; 16(3):1527-2. doi: 10.52711/0974-360X.2023.00250 (<https://www.doi.org/10.52711/0974-360X.2023.00250>)

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Overview on Ocular Drug Delivery through Colloidal Nano-Suspension (AbstractView.aspx?PID=2023-16-3-87)

Author(s): Punit Jaiswal, Achal Mishra, Disha Kesharwani, Swarnali Das Paul

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Views: 0 (pdf), 41 (html)

Access:  Closed Access

Cite: Punit Jaiswal, Achal Mishra, Disha Kesharwani, Swarnali Das Paul. Overview on Ocular Drug Delivery through Colloidal Nano-Suspension. *Research Journal of Pharmacy and Technology* 2023; 16(3):1533-9. doi: 10.52711/0974-360X.2023.00251 (<https://www.doi.org/10.52711/0974-360X.2023.00251>)

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A Systematic Review of Complementary Therapies in Colorectal cancer patients: Summarizing the Current Global Options (AbstractView.aspx?PID=2023-16-3-88)

Author(s): Muhammad Miftahussurur, Camilia Metadea Aji Savitri, Yudith Annisa Ayu Rezkhita, Amie Vidyani, Dalla Dooan, Diah Priyantini, Titong Sugihartono, Yoshio Yamaoka

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Cite: Muhammad Miftahussurur, Camilia Metadea Aji Savitri, Yudith Annisa Ayu Rezkhita, Amie Vidyani, Dalla Dooan, Diah Priyantini, Titong Sugihartono, Yoshio Yamaoka. A Systematic Review of Complementary Therapies in Colorectal cancer patients: Summarizing the Current Global Options. *Research Journal of Pharmacy and Technology* 2023; 16(3):1540-6. doi: 10.52711/0974-360X.2023.00252 (<https://www.doi.org/10.52711/0974-360X.2023.00252>)

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Author(s): Mariappan. A, Thanalakshmi. J, S. Sundar, Radha S, Meenakumari R, Kaaruniya. G

DOI: 10.52711/0974-360X.2023.00173 (<https://www.doi.org/10.52711/0974-360X.2023.00173>)

Views: 0 (pdf), 98 (html)

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Cite: Mariappan. A, Thanalakshmi. J, S. Sundar, Radha S, Meenakumari R, Kaaruniya. G. In-silico Studies of Active Phytochemicals from Siddha Medicinal Herbs of Karisalai Chooranam against SARS-CoV-2 main Protease (3CLpro), RNA Dependent RNA Polymerase and Angiotensin-Converting Enzyme II Receptor. *Research Journal of Pharmacy and Technology* 2023; 16(3):1033-0. doi: 10.52711/0974-360X.2023.00173 (<https://www.doi.org/10.52711/0974-360X.2023.00173>)

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Kerala- India
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🏠 Home Page ()



SHANKAR BALU KALBHARE ()

Associate Editor
YSPM'S Yashoda Technical Campus, Satara 415003
Email: kirankal786@gmail.com
🏠 Home Page ()



R. SUNDARALINGAM ()

Associate Editor
Assistant Professor, Department of Microbiology, Madras Christian College (Autonomous),
Tambaram, Chennai - 600059. Tamilnadu
Email: sundaralingam@mcc.edu.in
🏠 Home Page ()



DR ANUPAM KR SACHAN ()

Associate Editor

Dayanand Dinanath College, Institute of Pharmacy, Kanpur Nagar, Uttar Pradesh-208027

Email: anupamkrsachan@gmail.com

[Home Page \(\)](#)



MANIKANDAN K ()

Associate Editor

SRM College of Pharmacy SRM Institute of Science and Technology Kattankulathur, Kancheepuram

Email: gurumani12@gmail.com

[Home Page \(\)](#)



DR. PAVAN KUMAR ()

Associate Editor

Koneru Lakshmaiah Education Foundation KLEF

Email: pavankmaths@gmail.com

[Home Page \(\)](#)



ASHEESH SINGH ()

Associate Editor

M-303, Swastik city near Pooja park, Lambha turning Narol-Ahemdabad-382405

Email: asheesh_parihar@yahoo.com

[Home Page \(\)](#)



SWARNIMA PANDEY ()

Associate Editor

Goel Institute of Pharmacy & Sciences, Faizabad road lucknow 226028

Email: yesgoldi@gmail.com

[Home Page \(\)](#)



DR. PARUL JOHRI ()

Associate Editor

C-1/167 indra nagar kanpur

Email: pjohri@lko.amity.edu

[Home Page \(\)](#)



MORTEZA SAKI ()

Associate Editor

Department of Microbiology, Faculty of Medicine Ahvaz Jundishapur University of Medical Sciences Ahvaz

Email: mortezasaki1981@gmail.com

[Home Page \(\)](#)



DUMPALA LAKSHMIPRASUNA RAJESH ()

Associate Editor

Sumandeep Pharmacy college AT & PO: PIPARIA, WAGHODIA ROAD, TA: WAGHODIA, VADODARA- 391760

Email: mlakshmiprasuna2015@gmail.com

[Home Page \(\)](#)



DR. S. BALASUBRAMANIYAN ()

Associate Editor
National Centre for Coastal Research Chennai.
Email: sakthivelbala.s@gmail.com
[Home Page \(\)](#)



PROF. DR. NAGHAM MAHMOOD ALJAM ()

Associate Editor
Professor, Ph.D, Organic Chemistry , Iraq dr.nagham_mj@yahoo.com
Email: dr.nagham_mj@yahoo.com
[Home Page \(\)](#)



ARIF NUR MUHAMMAD ANSORI ()

Associate Editor
Universitas Airlangga, Surabaya, Indonesia.
Email: arif.nma-17@fkh.unair.ac.id
[Home Page \(\)](#)



DR. K. B. BHASKAR ()

Associate Editor
33B, kannadhasan street, new balaji nagar, selaiyur , chennai.
Email: jaibhaskar15@gmail.com
[Home Page \(\)](#)



DIMPLE NAGPAL ()

Associate Editor
Chitkara University, Punjab
Email: dimplenagpal009@gmail.com
[Home Page \(\)](#)



DR VINAYAKUMAR KADIBAGIL ()

Associate Editor
BELUR ROAD, 2ND CROSS ABHI Building
Email: DRVINAYKADIBAGIL@GMAIL.COM
[Home Page \(\)](#)



DR. ATUL KABRA ()

Associate Editor
University Institute of Pharma Sciences Chandigarh University Mohali, Punjab
Email: atul.kbr@gmail.com
[Home Page \(\)](#)



MOHD IBRAHIM ALARAJ ()

Associate Editor
Airport St. Amman, Jordan
Email: ibrahim_naseem@yahoo.com
[Home Page \(\)](#)



RAVINANDAN A P ()

Associate Editor

Mr. Ravinandan A P, M. Pharm, MBA, FSASS, (Ph.D.) Assistant Professor, Clinical Pharmacist and Research Scholar Department of Pharmacy Practice Sree Siddaganga College of Pharmacy In Collaboration with Siddaganga Hospital and Research Centre BH Road, Tumkur, Karnataka, India

Email: ravinandanap@gmail.com

[Home Page \(\)](#)



DR. PUTTA RAJESH KUMAR ()

Associate Editor

Dr. Putta Rajesh Kumar, C/o: Amdapur X Road, Yenkapally, Moinabad, Ranga Reddy, Hyderabad, Telangana 500075 INDIA Mobile: 0-949-072-1376

Email: prkbpc@gmail.com

[Home Page \(\)](#)



DR. SRIKANTH JEYABALAN ()

Associate Editor

Department of Pharmacology Sri Ramachandra Faculty of Pharmacy Sri Ramachandra Institute of Higher Education & Research (DU) Porur, Chennai, Tamil Nadu - 600 116

Email: srikanth.j@sriramachandra.edu.in

[Home Page \(\)](#)



PROF.B.RAMYA KUBER ()

Associate Editor

Prof.B.Ramya Kuber, Professor of Pharmacognosy Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam(Women's University), Tirupati-517502, Andhra Pradesh,India.

Email: rkuberpharma@yahoo.com

[Home Page \(\)](#)



DR GOVINDH BODDETI ()

Associate Editor

Door Number: 1-1-33/A, New Venkojipalem

Email: govindhbd@gmail.com

[Home Page \(\)](#)



DR DURGESH RANJAN KAR ()

Associate Editor

BENGAL SCHOOL OF TECHNOLOGY A COLLEGE OF PHARMACY SUGHANDHA CHUCHURA DIST- HOOGHLY WEST BENGAL INDIA

Email: durgesh176@gmail.com

[Home Page \(\)](#)



MORTHA LAKSHMI PRASANNA ()

Associate Editor

VJ'S COLLEGE OF PHARMACY Diwancheruvu Rajahmundry, andhra pradesh Pin 533296

Email: luckympharma09@gmail.com

[Home Page \(\)](#)

DR. GARIMA MISHRA ()

Associate Editor



Department of Pharmacy, College of Health Sciences, Debre Tabor University, Ethiopia
Email: gp_nmr2002@yahoo.co.in
[Home Page \(\)](#)



DR. PRADEEP SINGH ()
Associate Editor
Department of Pharmacy, College of Health Sciences, Debre Tabor University, Ethiopia
Email: pradeep_2682@yahoo.co.in
[Home Page \(\)](#)



DR. DAVID PAUL ()
Associate Editor
St.James College of Pharmaceutical Sciences St.James Medical Academy River Bank,
Chalakudy Kerala, India-680307
Email: davidpaulred@gmail.com
[Home Page \(\)](#)



DR.S.SASIKALA ()
Associate Editor
Head and Associate professor Department of Computer Science with Cognitive Systems
Hindusthan College of Arts and Science, Coimbatore - 641028, Tamilnadu, India.
Email: iamsasikalamohit@gmail.com
[Home Page \(\)](#)



DR. A.K. JHA ()
Associate Editor
Principal, Shri Shakaracharya College of Pharma. Sciences, Bhilai CG India
Email: jhaak@rediffmail.com
[Home Page \(\)](#)



DR. NAGHAM MAHMOOD ALJAMALI ()
Associate Editor
college Education , department , IRAQ.
Email: dr.nagham_mj@yahoo.com
[Home Page \(\)](#)



DR. R. B. KAKADE ()
Associate Editor
Professor, Uni. Dept. of Pharmaceutical Sci., RTM Nagpur University, Nagpur India
Email: drkakde@yahoo.com
[Home Page \(\)](#)



WISSAM ZAM ()
Associate Editor
Al-Andalus University of Medical Sciences/Faculty of Pharmacy-Tarous, Syria
Email: w.zam@au.edu.sy
[Home Page \(\)](#)

DR. VIBHA YADAV ()
Associate Editor



Covington, LA, USA
Email: editor.rjpt@gmail.com
[Home Page \(\)](#)



DR. S. ASHUTOSH KUMAR ()
Associate Editor
Department of Pharmacy, Tripura University (A Central University) Suryamaninagar, West Tripura, Tripura- 799022.
Email: ashu.mpharm2007@gmail.com
[Home Page \(\)](#)



DR. U.S. MAHADEVA RAO ()
Associate Editor
Kuala Terengganu, Malaysia
Email: raousm@gmail.com
[Home Page \(\)](#)



CHANDRASEKARAN V M ()
Associate Editor
124 Technology Tower VIT University Vellore 632014 (TN)
Email: vmcsn@yahoo.com
[Home Page \(\)](#)



NAEEM HASAN KHAN ()
Associate Editor
Faculty of Pharmacy, AIMST University, 08100 Bedong, Kedah D.A., Malaysia.
Email: naeemhshirazi@hotmail.com
[Home Page \(\)](#)



DR. DEEPANSH SHARMA ()
Associate Editor
Block 28, Room No. 202 Department of Biosciences, Lovely Professional University
Email: deepanshsharma@gmail.com
[Home Page \(\)](#)



DR. S. SARAF ()
Associate Editor
Professor, University Institute of Pharmacy , PT. Ravishankar Shukla University, Raipur-492010 CG India Vice- President, Pharmacy Council of India, New Delhi
Email: shailendrasarf@rediffmail.com
[Home Page \(\)](#)



DR. DEEPENDRA SINGH ()
Associate Editor
University Institute of Pharmacy Pt. Ravishankar Shukla University Raipur(C.G.)
Email: deependraiop@gmail.com
[Home Page \(\)](#)

DR S RAJESHKUMAR ()
Associate Editor



Nanotherapy Lab School of Biosciences and Technology, VIT, Vellore
Email: ssrajeshkumar@hotmail.com
[Home Page \(\)](#)



VASUNDHRA KASHYAP PHD, MBA, MS ()
Associate Editor
66 Lowden Avenue, Somerville, MA 02144 USA
Email: vk76@cornell.edu
[Home Page \(\)](#)



ROMAN LYSIUK ()
Associate Editor
Department of Pharmacognosy and Botany, Danylo Halytsky Lviv National Medical University, Pekarska,69., Lviv, Ukraine, 79010
Email: pharmacognosy.org.ua@ukr.net
[Home Page \(\)](#)



BEHZAD FOROUTAN ()
Associate Editor
Department of Pharmacology, School of Medicine, Shahroud University of Medical Sciences, Shahroud, Iran
Email: behzad_foroutan@hotmail.com
[Home Page \(\)](#)

ACADAMIC EDITOR



DR. BHARTI AHIRWAR ()
Associate Professor, SLT Institute of Pharm. Sciences, Guru Ghasidas University, Bilaspur CG India
Email: ah_bharti@yahoo.com
[Home Page \(\)](#)



SUDHISH A. RAI ()
RJPT House, Lokmanya GrihNirman Society, Rohanipuram, In-front of Sector- 1, Pt. Deendayal Upadhyay Nagar, Raipur 492 010. (CG) India
Email: sudhishrai7337@gmail.com
[Home Page \(\)](#)



DR. ASHOK A. HAJARE ()
Professor and Head, Department of Pharm. Tech., Bharati Vidyapeeth College of Pharmacy, Kolhapur (M. S.), India Pin - 416013
Email: ashok.hajare@bharatividyaapeeth.edu
[Home Page \(\)](#)



SANYAM GANDHI ()
International Regulatory Strategy Lead Takeda Pharmaceutical Company Ltd., 1 Kingdon St., Paddinton, London, W2 6BD England
Email: askforsanyam@gmail.com
[Home Page \(\)](#)



DR. AJAY KUMAR MEENA ()

Captain Srinivasa Murthy Regional Ayurveda Drug Development Institute, Arumbakkam, Chennai - 600 106

Email: ajaysheera@gmail.com

[Home Page \(\)](#)

EDITORS



DR AVINASH B DAREKAR ()

KVNNSPS, Institute of Pharmaceutical Education and Research, Canada Corner, Nashik, Maharashtra-422002.

Email: avibdarekar@gmail.com

[Home Page \(\)](#)



PRAVEEN KUMAR SHARMA ()

Department of Chemistry, Lovely Professional University, Phagwara, Punjab, India-144411

Email: pk_pandit1982@yahoo.com

[Home Page \(\)](#)



DR SUDIP KUMAR MANDAL ()

Dr. B. C. Roy College of Pharmacy & Allied Health Sciences, Durgapur, West Bengal, India

Email: gotosudip79@gmail.com

[Home Page \(\)](#)



DR K MANIKANDAN ()

Dr.K.Manikandan, M.Pharm., Ph.D., Associate Professor, SRM College of Pharmacy, SRM University, Kattankulathur, Kancheepuram - 603203 Mobile Number - 0 9444708710

Email: manikank2@srmist.edu.in

[Home Page \(\)](#)



DR SHAIK HARUN RASHEED ()

professor & Head Srikrupa Institute of Pharmaceutical Sciences Velikatta, siddipet -502277 Telangana.

Email: shaikharunrasheed@gmail.com

[Home Page \(\)](#)



DR. ASHISH KUMAR ()

Professor and HOD, Department of Chemistry, Lovely Professional University, Jallandhar road Phagwara

Email: drashishchemlpu@gmail.com

[Home Page \(\)](#)



DR. SHAKTA MANI SATYAM ()

Department of Pharmacology, Melaka Manipal Medical College (Manipal Campus), Manipal Academy of Higher Education, Manipal- 576104, District- Udupi, State- Karnataka (India)

Email: smsatyam21@gmail.com

[Home Page \(\)](#)



ABDULRAHMAN R. MAHMOOD ()

*Department of Chemistry, College of Education for Pure Sciences/(Ibn-Al-Haitham),
University of Baghdad, Baghdad, Iraq.
Email: abdoaljumaily@gmail.com
[Home Page \(\)](#)



DR. SUSHIL KUMAR MIDDHA ()

Maharani Lakshmi Ammanni College For Women, 18th Cross, Malleswaram, Bangalore-12
Email: drsushilmiddha@gmail.com
[Home Page \(\)](#)



MUNIM R. ALI ()

Al-Mustansiriyah University Biology depart./college of Science Iraq/Baghdad
Email: mnumbio77@yahoo.com
[Home Page \(\)](#)



DR. GAURAV TIWARI ()

G-23, Department of Pharmacy, PSIT, NH-2, Kalpi Road, Bhaunti Kanpur 209305
Email: dr.gauravtiwari@psit.in
[Home Page \(\)](#)



DR. ZEYAD KADHIM OLEIWI ()

najaf-iraq
Email: zeyadkadhim@alkafeel.edu.iq
[Home Page \(\)](#)



ASSIST. PROF. DR. AMAL TALIB A ()

Dept. Clinical Laboratory Sciences/ Faculty of Pharmacy/ University of Babylon, Iraq.
Email: amal.atiyah@yahoo.com
[Home Page \(\)](#)



YAHIA MOHAMMAD MOUALLA ()

Alsham private university, Latakia
Email: Yahiamoualla@hotmail.com
[Home Page \(\)](#)



MOHANAD MOUSA KAREEM ()

Babylon University
Email: mohanad_1972@yahoo.com
[Home Page \(\)](#)

ADAWIYA FADHIL ABBAS ALZUBAIDI ()

Iraq / Diyala / Baqubah Diyala university / education college / pure science
Email: adwa_a2000@YAHOO.COM



[Home Page \(\)](#)



MOUSHIRA ZAKI ()

El Bhouth ST.
Email: moushiraz@yahoo.com
[Home Page \(\)](#)



DR. AMIT KUMAR CHATURVEDI ()

Department Of Chemistry, J.S.University , Shikohabad (U.P.)
Email: achaturvedi794@gmail.com
[Home Page \(\)](#)



DR. MANOJ KUMAR JENA ()

Department of Biotechnology, School of Bioengineering and Biosciences, Lovely Professional University, Phagwara-144411, Punjab, India
Email: manoj.20283@lpu.co.in
[Home Page \(\)](#)



AVINASH BABURAO THALKARI ()

Vasant Pharmacy College Kaij Affiliated by MSBTE Mumbai
Email: avinashthalkari@rediffmail.com
[Home Page \(\)](#)



RAJESH L. DUMPALA ()

Alembic Pharma Campus, Alembic Rd, Subhanpura, Vadodara, Gujarat 390003
Email: rdumpala64@gmail.com
[Home Page \(\)](#)



ABDULRAHMAN R.MAHMOOD ()

*Department of Chemistry, College of Education for Pure Sciences/(Ibn-Al-Haitham),
University of Baghdad, Baghdad, Iraq.
Email: abdulrahman.r.m@ihcoedu.uobaghdad.edu.iq
[Home Page \(\)](#)



DR.T.C.VENKATESWARULU ()

Department of Bio-Technology, Vignan's Foundation for Science, Technology & Research,
Vadlamudi-522213, Andhra Pradesh
Email: venki_biotech327@yahoo.com
[Home Page \(\)](#)



DR PRASHANT L. PINGALE ()

Associate Professor of Pharmaceutics, GES's Sir Dr. M. S. Gosavi College of Pharmaceutical Education and Research, Nashik-422005, Maharashtra, India
Email: prashantpingale@gmail.com
[Home Page \(\)](#)



DR GURVINDER SINGH ()

School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab

Email: guri_ph@yahoo.co.in

[Home Page \(\)](#)



DR.SUSHANT KUMAR ()

UTTAR PRADESH UNIVERSITY OF MEDICAL SCIENCES, SAIFAI, ETWAH, UTTAR PRADESH

Email: K.SUSHANT25@GMAIL.COM

[Home Page \(\)](#)



MR. PARESH ASHOK PATIL ()

Jay ambe Nivas,Gujar galli, Shahada Dist-Nandurbar

Email: rcp.pareshpatil@gmail.com

[Home Page \(\)](#)



VAMSIKRISHAN BIRUPANENI ()

4401 manchester avenue, Apt#53,CA,95207.

Email: vamsikrishan99@gmail.com

[Home Page \(\)](#)



DR. SUNIL KUMAR ()

122 Ground Floor Research Block A Post Graduate Institute of Medical education and Research

Email: drsunilkumarjaswal@gmail.com

[Home Page \(\)](#)



SANDEEP PODDAR ()

Lincoln University College, Wisma Lincoln, No. 12-18, Off Jalan Perbandaran, SS6/12 Kelana Jaya, Selangor D. E., Malaysia

Email: sandeepoddar@lincoln.edu.my

[Home Page \(\)](#)



DR ZAKIR HUSSAIN ()

Dr Zakir hussain S/o MD.UNUS Rtd Express mail guard SCRLY Near mohammadia masjid, Satyanarayana pet GUNTAKAL-515801 ANANTAPUR DIST ANDHRA PRADESH-INDIA

Email: zakirhussains765@gmail.com

[Home Page \(\)](#)



BASIL A. ABBAS ()

University of Basrah, Basrah, Iraq

Email: basil.abbas@uobasrah.edu.iq

[Home Page \(\)](#)



DR V. PALANISINGH ()

Puduvadi, Ulagampatti post Sivagangai Dist, Tamil Nadu PIN 630410

Email: vpalanisingh@gmail.com

[Home Page \(\)](#)



NASIR MUWFAQ YOUNIS ()

University of Mosul _College of Nursing

Email: nasir.muwfaq@uomosul.edu.iq

🏠 Home Page ()



SANDIP SEN ()

SRIKRUPPA INSITUTE OF PHARMACEUTICAL SCIENCES, VELIKATTA, KONDAPKKA, SIDDIPET-502277

Email: sandipsen2010@gmail.com

🏠 Home Page ()



DR. BISWA MOHAN SAHOO ()

Roland Institute of Pharmaceutical Sciences (Biju Patnaik University of Technology Nodal Centre of Research) Berhampur-760010, Odisha, India

Email: drbiswamohansahoo@gmail.com

🏠 Home Page ()



DR.MATADEEN BHARTI ()

Department of Fluorosis Chief Medical and Health Office Dhar District Dhar MP India pin code 454001

Email: drmdbharti@gmail.com

🏠 Home Page ()



DR PRASENJIT MONDAL ()

Vaageswari institute of Pharmaceutical Sciences, Ramakrishna colony, Karimnagar, Telangana, India

Email: prasenjitmyname@gmail.com

🏠 Home Page ()



DR ANJU THAWARE ()

Associate professor, Dept of samhita Siddhant ,MGACRCH,salod wardha ,(DMIMSU,wardha) Maharashtra, India

Email: anju.samhita@dmimsu.edu.in

🏠 Home Page (<https://mgachrc.org/departments>)



DR. NITIN SHARMA ()

Department of Biotechnology Chandigarh Group of Colleges, Landran, Mohali- 140307

Email: nitin.3994@cgc.edu.in

🏠 Home Page (<https://www.cgc.edu.in/chandigarh-college-of-technology>)



PROF. GALLA RAJITHA ()

Prof. G. Rajitha, Professor, Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati - 517502, Andhra Pradesh, India

Email: rajitha.galla@gmail.com

🏠 Home Page (<http://www.spmvv.ac.in/>)



ASHISH GUPTA ()

Flat no.E113,Nariman Point, Mahalaxmi Nagar Indore MP

Email: ashishgupta@acropolis.edu.in

🏠 Home Page (www.acropolis.in)



HUSAM AL-HRAISHAWI ()

195 Little Albany St.

Email: hra10@scarletmail.rutgers.edu

🏠 Home Page (<https://uomisan.edu.iq/ar/>)



TUHIN SARKAR ()

Jakir Hossain Institute of Pharmacy, Vill. & P.O.- Miapur, Dist.- Murshidabad, Pin: 742225, West Bengal.

Email: gantuhin@gmail.com

🏠 Home Page (<http://www.jhip-india.co/>)



BHUPENDRA G. PRAJAPATI ()

Ganpat Vidyanagar, Mahesna 384012

Email: bhupen27@gmail.com

🏠 Home Page (<https://skpcper.guni.ac.in/about/pharmaceutics-and-pharmaceutical-technology>)



DR. K. RAJYALAKSHMI ()

Department of Pharmaceutical Chemistry, Vignan Pharmacy College, Vadlamudi, Guntur, A.P.

Email: drkr13579@gmail.com

🏠 Home Page (<http://www.vignanpharmacycollege.in>)



SOURAVH BAIS ()

474 VIP PARASPAR NAGAR

Email: souravh2008.123@rediffmail.com

🏠 Home Page (<https://sageuniversity.in/pharmadetail#faculty>)



DR. D.S. JAYALAKSHMI ()

Sathyabama Institute of Science and Technology (deemed to be University), Rajiv Gandhi Salai, OMR

Email: jayaanand10@gmail.com

🏠 Home Page (<https://www.sathyabama.ac.in/>)



DR. PARTHA NIYOGI ()

SCHOOL OF PHARMACY THE NEOTIA UNIVERSITY SARISHA, DIAMOND HARBOUR WEST BENGAL- 743 368

Email: partha.niyogi@tnu.in

🏠 Home Page (https://www.tnu.in/our_faculty/dr-partha-niyogi/)

DR. RAJIV DUTTA ()

Shobhit Institute of Engineering & Technology (Deemed-to-be-University) NH-58, Modipuram Meerut, UP-250110. India



Email: director.sbt@gmail.com
Home Page (rdutta.50megs.com)



PRAVEEN KUMAR UPPALA ()
LIG 163 Alakananda colony, Vizianagaram, Andhra Pradesh
Email: praveen.chintu32@gmail.com
Home Page (<http://www.ipc.gov.in/>)



RAMAKRISHNA REDDY H ()
#32, Shiva shakti, 4th Cross, KBL Elite layout, J.P.Nagar 8th Phase, Bangalore-560108,
Karnataka state, India.
Email: rkreddy_h@yahoo.co.in
Home Page (<https://www.apotex.com/in/contact-us>)



DR. PRAVIN KUMAR SHARMA ()
Acropolis Institute of Pharmaceutical Education and Research, Indore
Email: praveensharma910@gmail.com
Home Page (<https://aiper.ac.in/>)



DR. FORAT YASIR ALJABERI ()
Chemical Engineering Department, College of Engineering, Al-Muthanna University,
Samawa, Iraq
Email: furatyasir@mu.edu.iq
Home Page (<https://www.rjptonline.org/EditorialBoard.aspx>)



DR. L. NANDHAKUMAR ()
Kastooribha gandhi Pharmacy college Namakkal, Rasipuram
Email: drndkumar12@gmail.com
Home Page (<https://kgpc.edu.in/kgpc/index.php>)



PROF. DR. RAJIV DUTTA ()
SHOBHIT UNIVERSITY, GANGOH
Email: director.sbt@gmail.com
Home Page (rdutta.50megs.com)



AHMED ALI MHAWESH ()
Baghdad/Iraq Al-Ghadeer Quarter
Email: alshammariahmed.a.m@gmail.com
Home Page (<https://cv.nahrainuniv.edu.iq/ar/view/464>)



DR JAGDISH KAKADIYA ()
Department of Pharmacology, Parul Institute of Pharmacy and Research, Parul University,
Vadodara, Gujarat, India
Email: jagdishkakadiya@gmail.com
Home Page (<https://paruluniversity.ac.in/faculty/faculty-of-pharmacy/faculty-members>)



MAJIDA HAMEED KHAZAAL ()

Kufa University

Email: majdahamed69@yahoo.com

🏠 Home Page (<http://staff.uokufa.edu.iq/profile.html?majidah.alkhazaali>)



DR. SHOBHIT KUMAR ()

Dr. Shobhit Kumar, Associate Professor, Department of Pharmaceutical Technology, Meerut Institute of Engineering and Technology (MIET), NH-58, Delhi-Roorkee Highway, Meerut-250005, Uttar Pradesh, India. Tel: +91 9675598375 E-mail: shobhitkmr87@gmail.com shobhit.kumar@miet.ac.in

Email: shobhit.kumar@miet.ac.in

🏠 Home Page (<https://www.miet.ac.in/pharmacy>)



DR. P. DWARAKANADHA REDDY ()

Annamacharya College of Pharmacy, Rajampet-516126, Andhra Pradesh, India

Email: dwarakanadhareddyperam@gmail.com

🏠 Home Page (<https://scholar.google.co.in/citations?user=0ygwmkUAAA&hl=en>)



PROF. MATOLE VINOD KALIDAS ()

Shivai Charitable trust's College of Pharmacy, Koregaonwadi Tal. Omerga Dist. Dharashiv Maharashtra India

Email: matole7414@gmail.com

🏠 Home Page (<https://prsu.ac.in/site/facultydetails?id=484>)



SANKARGANESH ()

3/478, Ajith nagar, Sathankuppam, Kelambakkam-603103, Chennai, TN

Email: bilisankar@gmail.com

🏠 Home Page (<https://hindustanuniv.ac.in/>)



ALAA HUSSEIN AL-DARRAJI ()

Iraq-Misan

Email: alaa.hussein@uomisan.edu.iq

🏠 Home Page (<https://www.researchgate.net/profile/Alaa-Al-Darraj/stats/report/weekly/2022-06-12>)



MANISH KUMAR ()

SD College, Barnala-148101, Punjab, India.

Email: manish@sdcollegeinstitutions.org

🏠 Home Page (<http://sdcollegeinstitutions.org/S.D.%20College/index.php>)



DR. DINANATH TUKARAM GAIKWAD ()

223, Shamrao Kumbhar Nagar, Nanapatil Nagar, Kolhapur, Maharashtra, India

Email: gdinanath@gmail.com

🏠 Home Page (<http://copkolhapur.bharativedyapeeth.edu/>)

DR.AHMED HAMZA AL-SHAMMARI ()

Iraq-Baghdad

Email: Ahmed.h.mezaal@alkutcollege.edu.iq



🏠 Home Page (<https://alkutcollege.edu.iq/ahmed-hamza/>)



KRISHNA PRASAD NARAPEREDDY ()

1447 W Minerloop road, South Jordan, UT - 84095

Email: krishna021@gmail.com

🏠 Home Page (<https://www.reckitt.com/>)



MAJID MOHAMMED MAHMOOD ()

majidm.mahmood93@uomustansiriyah.edu.iq

Email: majidmahmood93@yahoo.com

🏠 Home Page (<https://uomustansiriyah.edu.iq/e-learn/profile.php?id=687>)



DR. SATHISH KUMAR KONIDALA ()

Associate Professor, Department of Pharmaceutical Sciences, Vignan's Foundation for Science Technology and Research (Deemed to be University), Vadlamudi, Guntur, A.P, India-522213.

Email: ksk_pharma@vignan.ac.in

🏠 Home Page (<https://vignan.ac.in/pharmafaculty.php>)



MOHAMED JABER ()

University Road Aljurf P.O.Box 346

Email: mohamed.jaber@ajman.ac.ae

🏠 Home Page (www.ajman.ac.ae)



SANKARGANESH ()

3/478, Sathankuppam, Kelambakkam-603103, TN

Email: bilisankar@gmail.com

🏠 Home Page (<https://hindustanuniv.ac.in/assets/pdf/faculty/Food-Technology-faculty.pdf>)



DR. SWAMYNATHAN G ()

Department of Biotechnology, College of Science and Humanities, SRM Institute of Science and Technology, India.

Email: swamynathanganesan.in@gmail.com

🏠 Home Page (<https://www.srmist.edu.in/department/department-of-biotechnology-science-and-humanities/>)



DR ANIL KUMAR TALLAM ()

1350 Woodbourne Road, Apt-E74, Levittown, Pennsylvania, USA, Zip Code 19057

Email: anilkumartallam1@gmail.com

🏠 Home Page (<https://kvktech.com/>)



BACHIR BEN SEGHIR ()

Department of Process Engineering, Faculty of Technology, University of El Oued, BP 789, El-Oued 39000, Algeria

Email: bbachir39@gmail.com

🏠 Home Page (<https://profbachir.portfolial.com/#/>)



SUBRAMANIYAN VETRISELVAN ()

Assoc. Prof. Dr. Vetriselvan Subramaniyan, Ph.D. Deputy Dean M.Sc. and Ph.D. (by Research)
Coordinator Faculty of Medicine, Bioscience and Nursing MAHSA University EC Member-
Overseas, Indian Pharmacological Society (IPS)

Email: vetricology@gmail.com

🏠 Home Page (<https://mahsa.edu.my/>)



MAKSOOD ALI ()

9 B, Near RK Public School, Aurangabad, District - Bulandshahr

Email: drmali_pharmacy13@yahoo.com

🏠 Home Page (<https://www.orleancollege.co.in/>)



DR. V. V. SATHIBABU UDDANDRAO ()

Dr. V. V. Sathibabu Uddand Rao, Assistant Professor, Department of Biochemistry, K.S.
Rangasamy College of Arts and Science (Autonomous), Tiruchengode-637215, Tamilnadu,
India

Email: sathibabu.u@gmail.com

🏠 Home Page (<https://www.ksrcas.edu/>)



AYAN KUMAR KAR ()

Rabindra Bhavan, D.C.Sankarara, Nimtala, Tamluk -721636, East Medinipur, W.B., India

Email: ayancipt@gmail.com

🏠 Home Page (www.urschard.com)



DR. MOUMITA HAZRA ()

Associate Professor, Department of Pharmacology, Shri Balaji Institute of Medical Science,
Raipur, Chhattisgarh, India

Email: drmoumitahazra.198017thjune@gmail.com

🏠 Home Page (drmoumitahazra170680.blogspot.com)



SHIVAM TAYAL ()

Jhansi Road, Gwalior

Email: shivamtayal.sop@itmuniversity.ac.in

🏠 Home Page (<https://itmuniversity.ac.in/>)



FATMA BASSYOUNI ()

National Research Centre, Cairo, Egypt

Email: fatma.nrc.eg@gmail.com

🏠 Home Page (<https://www.nrc.sci.eg>)



OJAS PRAKASHBHAI DOSHI ()

Somerville, New Jersey, USA

Email: doshiojas96@gmail.com

🏠 Home Page (<https://cosettepharma.com/>)

DR. TANAJI NANDGUDE ()

Sant Tukaram Nagar, Pimpri, Pune, Maharashtra - 411018

Email: tanaji.nandgude@dypvp.edu.in



[Home Page \(https://pharmacy.dypvp.edu.in/\)](https://pharmacy.dypvp.edu.in/)



BEHZAD FOROUTAN ()

Department of Pharmacology School of Medicine Shahroud University of Medical Sciences
Shahroud, IRAN

Email: behzad_foroutan@hotmail.com

[Home Page \(\)](#)



DR. AMIT ROY ()

Principal, Columbia Institute of Pharmacy, Raipur CG India

Email: wakratund@gmail.com

[Home Page \(\)](#)



P. PARTHIBAN ()

Centre for R&D, PRIST University, Thanjavur-613403, India

Email: parthisivam@yahoo.co.in

[Home Page \(\)](#)



PROF. D. K. TRIPATHI ()

Principal, Rungta Institute of Pharmaceutical Sci. and Research, Bhilai CG India

Email: editor.rjpt@gmail.com

[Home Page \(\)](#)



DR. P. KUMARAVEL ()

Assistant Professor, Department of Biotechnology, Vysya College, Masinaickenpatty, Salem-
636103. Tamil Nadu, India.

Email: kumaravelbiotech@gmail.com

[Home Page \(\)](#)



DR GIRISH PAI K ()

Faculty - Dept of Pharmaceutics Manipal college of pharmaceutical sciences Manipal
University, Madhav Nagar Manipal - 576104, Karnataka State, India

Email: girish.pai@manipal.edu

[Home Page \(\)](#)



DR. AJAY V. PATHAK ()

House No.33 Ravindra nagar Nagpur-440022 Maharashtra, INDIA

Email: a.pathak4@gmail.com

[Home Page \(\)](#)



AYUSH DOGRA ()

department of electronics and communications, panjab university chandigarh

Email: ayush123456789@gmail.com

[Home Page \(\)](#)



DR. PRATIBHA VYAS ()

Department of Microbiology, College of Basic Sciences and Humanities, Punjab Agricultural University, Ludhiana-141004, Punjab, India.

Email: pratibha.19064@lpu.co.in

[Home Page \(\)](#)



IHSAN HABIB DAKHIL ()

Engineering College, Al-Muthanna University, Iraq

Email: ihsanelshahiri@yahoo.com

[Home Page \(\)](#)



DR. JAYASSHREE SEN ()

J.N.M.C.&A.V.B.R.H., Sawangi, Wardha, Maharashtra 442007

Email: jayashree_sen@rediffmail.com

[Home Page \(\)](#)



IMAD ()

University of Babylon

Email: imad_dna@yahoo.com

[Home Page \(\)](#)



RIM M. HARFOUCH ()

Al Andalus university, Qadmus, Tartous, Syria

Email: rimharfouch@au.edu.sy

[Home Page \(\)](#)



MOHAMMAD JAWAD AL-JASSANI ()

Department of Microbiology, College of Science, Al-Karkh University of Science, Iraq.

Email: pcr2000@yahoo.com

[Home Page \(\)](#)

REVIEWERS



DR. SUBHASHIS DEBNATH ()

Seven Hills College of Pharmacy Venkatramapuram, Tirupati- 517561

Email: subhashis.ooty@gmail.com

[Home Page \(\)](#)



GAURAV KUMAR ()

Department of Microbiology School of Bioengineering and Biosciences Lovely Professional University Phagwara, 144411, Punjab, India

Email: gau_ravkr@yahoo.com

[Home Page \(\)](#)

RUCHI VERMA ()



manipal college of pharmaceutical sciences, manipal university, karnataka, India.
Email: ruchi.verma@manipal.edu
[Home Page \(\)](#)



DR. KETAN VINODLAL SHAH ()
201, Rudrax Appartment, Guruprasad Society, Nehind Telephone exchange, Krishnanagar
Main road, Rajkot
Email: ketan421981@gmail.com
[Home Page \(\)](#)



K SUJANA ()
university college of pharmaceutical sciences Acharya Nagarjuna university
Email: sujana_36@yahoo.co.in
[Home Page \(\)](#)



DR.P.BRINDHA DEVI ()
Vels University, Velan Nagar, PV Vaithiyalingam Road, Pallavaram
Email: pbrindhadevi@gmail.com
[Home Page \(\)](#)



DR VAMSHI KRISHNA TIPPAVAJHALA ()
Assistant Professor-Senior Scale Department of Pharmaceutics Manipal College of
Pharmaceutical Sciences Manipal University Manipal, Karnataka, India
Email: krissrcm@gmail.com
[Home Page \(\)](#)



ZAIN BAAITY ()
Syria, Latakia
Email: zein_syria@hotmail.com
[Home Page \(\)](#)



LAITH AHMED NAJAM ()
Mosul University, College of Science, Physics Dept., Mosul
Email: Prof.lai2014@gmail.com
[Home Page \(\)](#)



VEEREN DEWOOLKAR ()
4824 Washtenaw Ave, Apt C1, Ann Arbor, MI 48108
Email: veerenrx@gmail.com
[Home Page \(\)](#)



NEERAN OBIED JASIM ()
University of AL-Qadisiyah college of Pharmacy Iraq
Email: neran.jasim@qu.edu.iq
[Home Page \(\)](#)



MAHMOUD NAJIM ABID ()

Mustansiriyah University, College of Science, Department of Chemistry

Email: mahmoudaljibouri@gmail.com

[Home Page \(\)](#)



NILESH PATEL ()

B/103,Snehkunj Elegance,Behind Shivalay Parisar Kudasana,Gandhinagar-382421,Gujarat

Email: Nilesh33.emcure@gmail.com

[Home Page \(\)](#)



NEERAN OBIED JASIM ()

university of AL-Qadisiyah -college of science-Iraq

Email: neran.jasim@qu.edu.iq

[Home Page \(\)](#)



MARWAN MAHMOOD SALEH ()

Anbar-Ramadi- Habbaniya- 4-4-17

Email: ah.marwan_bio@uoanbar.edu.iq

[Home Page \(\)](#)



PALLAVI LAXMAN PHALKE ()

Parul University, Limda, Waghodiya. Vadodara-391760, Gujarat India.

Email: falkepallavi@gmail.com

[Home Page \(\)](#)



DR. ANUP S. HENDRE ()

Biochemistry Department Krishna Institute of Medical Sciences, Malkapur Karad. Dist- Satara.

Email: anupviews@gmail.com

[Home Page \(\)](#)



SURENDRA KUMAR GAUTAM ()

Kamla Nehru Institute of Management & Technology, NH96 Faizabad Bypass Road Faridipur Campus

Email: surendra_bkt95@yahoo.in

[Home Page \(\)](#)



DR U R RAKSHITH ()

Dr U R Rakshith Lecturer JSS College of Pharmacy, JSS Academy of Higher Education and Research Shivarathreeswara Nagar, Mysuru-570015 Karnataka , India

Email: urrakshith@jssuni.edu.in

[Home Page \(\)](#)



RAMU SAMINENI ()

H.NO-1-123-A; C/O SIVARAMAKRISHNA SAMINENI MANDEPUDI, AMARAVATHI

Email: samineni.ramu@gmail.com

[Home Page \(\)](#)



DHAVAL PATEL ()

A-104, Maruti Aamrakunj, Sargasan, Gandhinagar-382421

Email: dhaval.nine@gmail.com

[Home Page \(\)](#)



AKHIL NAGAR ()

R C PATEL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

Email: akkipharma23@gmail.com

[Home Page \(\)](#)



SUNANDAR IHSAN ()

Kampus Hijau Bumi Tridharma Universitas Halu Oleo Fakultas Farmasi, Jl. H.E.A

Mokodompit Anduonuhu, Kendari, Indonesia

Email: sunandarihsan@uho.ac.id

[Home Page \(\)](#)



ANAS TARIK NAFEI ()

Baghdad, Qadissiyah Express way

Email: anasalhamdany@yahoo.com

[Home Page \(\)](#)



DR.KUMARASWAMY GULLAPELLI ()

STREET NUMBER 4 , BHAVANI NAGAR , NACHARAM, HYDERABAD NACHARAM,

Hyderabad, Telangana, pincode: 500076

Email: kumargullapelli001@gmail.com

[Home Page \(\)](#)



RADHWAN AL-ZIDAN ()

Almothana district, Mosul, Iraq

Email: radhwan.alzidan@uomosul.edu.iq

[Home Page \(\)](#)



YAHIA M. MOUALLA ()

faculty of pharmacy, Tishreen university, Latakia, Syria

Email: yahia.moualla@tishreen.edu.sy

[Home Page \(\)](#)



SUHAS SURESH AWATI ()

Assistant Professor, Dr. Shivajirao Kadam College of Pharmacy, Kasabe Digraj, Baganvat, Tal-

Miraj, Dist- Sangli, Maharashtra. 416301

Email: awatiss@gmail.com

[Home Page \(\)](#)

SHAIK FIROZ ()



Assistant Professor, Department of Pharmaceutics, Sree Vidyanikethan College of Pharmacy,
Sree Sainath Nagar, A.Rangampet-517102.

Email: firoz.kallur@gmail.com

[Home Page \(\)](#)



DR NASEEF PP ()

Vice Principal, Moulana College of Pharmacy, Near Angadippuram Railway Station,
Malappuram, Kerala, India 679321

Email: drnaseefpp@gmail.com

[Home Page \(\)](#)



DR. ARINDAM CHATTERJEE ()

School of Pharmaceutical Sciences Jaipur National University (SADTM Campus) Near RTO
Office, Jaipur Agra Bypass Jagatpura, Jaipur, Rajasthan India-302017

Email: chatterjee.arindam@hotmail.com

[Home Page \(\)](#)



S RAJARAJAN ()

Department of Pharmaceutics, Karnataka College of Pharmacy 33/2, Thirumena Halli,
Hegde Nagar Main Road, Bangalore-560064

Email: pharmking@gmail.com

[Home Page \(\)](#)



DR . RAHUL RADHAKRISHNAN ()

Manasam, Edavattom, Chirakkara (PO) ,Kollam, Kerala

Email: drrahulpharmd@gmail.com

[Home Page \(\)](#)



RIM M. HARFOUCH ()

0624 Albaath street, Latakia, Syria

Email: rimharf@yahoo.com

[Home Page \(\)](#)



ARUN A ()

3/31 periyar street, ramapuram chennai 600089

Email: arunarticle2016@gmail.com

[Home Page \(\)](#)



ABDUL SALEEM MOHAMMAD ()

Department of Pharmaceutical Analysis and Quality Assurance, Nizam Institute of
Pharmacy, Deshmukhi (V), Pochampally (M), Behind Mount Opera, Nalgonda (Dist)-508284,
Telangana, India.

Email: mohdsaleempharma@gmail.com

[Home Page \(\)](#)



KARTHIKEYAN T ()

registrar nimhans

Email: karthik_77in@yahoo.co.in

[Home Page \(\)](#)



DR. PUTTA RAJESH KUMAR ()

Amdapur X Road, Yenkapally, Moinabad, Ranga Reddy, Hyderabad, Telangana 500075 INDIA
Email: prkbpcc@gmail.com
[Home Page \(\)](#)



AAMINAH NAJMUS SAHAR ()

H.no: 121,Pension lane, New Bowenpally Secunderabad- 500011
Email: aaminahnajmus@yahoo.in
[Home Page \(\)](#)



ZAINAB HAITHAM FATHI ()

College of Pharmacy, University of Mosul
Email: zainabh@uomosul.edu.iq
[Home Page \(\)](#)



DR. OM PRAKASH RANJAN ()

Faculty of Pharmacy, Sachchidanad Sinha College, Aurangabad, Bihar.
Email: omprakasranjan@gmail.com
[Home Page \(\)](#)



SHASHIKANT SUDARSHAN UPADHYE ()

Annasaheb Dange College of B.Pharmacy, Ashta Tal: Walwa, Dist: Sangli 416301, Maharashtra, India
Email: ssupadhye7@gmail.com
[Home Page \(\)](#)



VISHAL KUMAR BISWKARMA ()

KSCP, Subharti University, Meerut, Uttar Pradesh, India
Email: vishalkumarbiswkarma@gmail.com
[Home Page \(\)](#)



DR. C. JANANI ()

Dr. C. Janani, Srimad Andavan Arts and Science College, Nelson Road, TV Kovil, Trichy-05
Email: janabio.net@gmail.com
[Home Page \(\)](#)



RANJAN KUMAR SINGH ()

g d memorial college of pharmacy, kbhb, jodhpur.342005
Email: rxsingh8@gmail.com
[Home Page \(\)](#)

BIMESH KUMAR ()

BLOCK 4, ROOM NO 203, SCHOOL OF PHARMACEUTICAL SCIENCES, LOVELY PROFESSIONAL UNIVERSITY, PHAGWARA, PUNJAB, 144411.



Email: bimlesh1pham@gmail.com
🏠 Home Page ()



DR.BISWARANJAN RAY ()

Associate prof,Dept.of Pharmacology, College of Pharmaceutical Sciences, Puri,Odisha
Email: crabiswa@gmail.com
🏠 Home Page ()



ANAR J PATEL ()

Sal Institute of Pharmacy, Ahmedabad
Email: anar.patel@sal.edu.in
🏠 Home Page ()



GANESH BARKADE ()

Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Ahmednagar, MH, India-414111
Vikhe Patil Foundation
Email: ganeshbarkade7@gmail.com
🏠 Home Page ()



DR. VEDAMURTHY JOSHI ()

Associate professor, Sri Adichunchanagiri College of Pharmacy, BG Nagara Nagamangala Tq
Mandya dist Karnata
Email: vedamurthyjoshi@gmail.com
🏠 Home Page ()



AVINASH BABURAO THALKARI ()

Kanadi Road Kaij Vasant Pharmacy College Kaij Kanadi Road Kaij
Email: avinashthalkari@gmail.com
🏠 Home Page ()



DR. P. PRAVEEN REDDY ()

Vivekananda Degree and PG College, Karimnagar-505001, Telangana
Email: microprr@gmail.com
🏠 Home Page ()



MUTHUKUMARKUMAR.S ()

45,U.K.Thevar Street, Sulur, Coimbatore-641402
Email: pharmmuthu@gmail.com
🏠 Home Page ()



D CHANDRA SEKHAR NAIK ()

KVSR Siddhartha college of pharmaceutical sciences poly clinical road Vijayawada-10
Email: chandu.desavath@gmail.com
🏠 Home Page ()



BHARAT MISHRA ()

Nirmala college of pharmacy, Nirmala Hills, Muvattupuzha, Ernakulam, Kerala, India
Email: bharatekansh@gmail.com

[Home Page \(\)](#)



MATOLE VINOD KALIDAS ()

AT POST AURAD TAL.OMERGA DIST .OSMANABAD
Email: vinodmatole57@gmail.com

[Home Page \(\)](#)



NIRMAL THAKKER ()

B-602, Tirupati Aakruti Greenz, Behind Nirma University, S.G. Highway, Ahmedabad-382481, Gujarat, India
Email: nirmalthakker117@yahoo.com

[Home Page \(\)](#)



JASWANTH GOWDA B.H. ()

Yenepoya (Deemed to be University), Deralakatte, Mangalore, India-575018.
Email: jaswanth_14601@yenepoya.edu.in

[Home Page \(\)](#)



ZEINA ABDULMUNIM ALTHANOON ()

Albaladiyat Quarter Mosul Iraq
Email: ph.zeinaalthanoon@gamil.com

[Home Page \(\)](#)



SHIVAVEERAKUMAR ()

Department of Microbiology, Davangere University, Davanagere - 577002, Karnataka
Email: shiv_math1984@rediffmail.com

[Home Page \(\)](#)



DR. V.K. EVANJELENE ()

16, Anbu Nagar, gorimedu, Salem - 636 008
Email: evankutty@gmail.com

[Home Page \(\)](#)



ASHISH TALE ()

MUPS College of Pharmacy, Degaon, Tq. Risod, Dist. Washim-444506 (M.S) India
Email: ashishtale93@gmail.com

[Home Page \(\)](#)



DR. C. JANANI ()

Srimad Andavan Arts and Science College, Nelson Road, TV Kovil TV kovil
Email: janabio.net@gmail.com

[Home Page \(\)](#)



PRATHEEP THANGARAJ ()

Department of Biotechnology, PRIST Deemed to be University, Thanjavur-613403, India.

Email: pratheep@gmail.com

[Home Page \(\)](#)



SHAIMAA AHMAD HASSAN ()

AlKarkh University of science / Baghdad / Iraq

Email: dr.shaimaa_altaee@kus.edu.iq

[Home Page \(\)](#)



DR ANUP NAHA ()

Manipal College of Pharmaceutical Sciences, MAHE, Manipal, Karnataka-576104

Email: anupnaha@gmail.com

[Home Page \(\)](#)



EIMAN SHAHROUR ()

lattakia- syria

Email: eimanm.shahrour@gmail.com

[Home Page \(\)](#)



DR. DEVIKUMAR DINESH ()

Department of Zoology, Bharathiar University Coimbatore-641046 Tamilnadu India

Email: devadinesh4041@gmail.com

[Home Page \(\)](#)



AUDUMBAR DIGAMBAR MALI ()

At. Po. Andhalgaon, Tal-mangalwedha, Dist- Solapur, Pin Code:- 413305, Maharashtra, India.

Email: maliaudu442@gmail.com

[Home Page \(\)](#)



DR. MITTAL MAHESHWARI ()

A- One Pharmacy College, Ahmedabad

Email: mittalmaheshwary@gmail.com

[Home Page \(\)](#)



ABDUL AZEEM ()

Research Scholar, Electrical Engineering Department Jamia Millia Islamia-New Delhi

Email: azeemnith@gmail.com

[Home Page \(\)](#)



DR. V. VADIVEL ()

PG & Research Department of Botany, V.O. Chidambaram College, Tuticorin - 628008 Tamil Nadu, India

Email: drvvadivel@gmail.com

[Home Page \(\)](#)



PROF.(DR.) KUMARASWAMY.GANDLA ()

Dr.Kumara Swamy.Gandla Associate Editor of RJPT (Research journal of Pharmacy and Technology Chaitanya Deemed to be University, Hanamkonda, Warangal-Urban (Dist), Telangana 506001-India. Mobile: +91-9000973789 / +91-7801022789
Email: drkumaraswamygandla@gmail.com

[🏠 Home Page \(\)](#)



MR. PATIL AMOL MANIK ()

AT/P- KASEGAON TAL- WALWA DIST- SANGLI PIN CODE- 415404 MAHARASHTRA
Email: amp6389@gmail.com

[🏠 Home Page \(\)](#)



MOH MIRZA NURYADY ()

Blok HC No. 14, Jl. Intan 2, Perum GPA, Ngijo, Kec. Karangploso, Kabupaten Malang, East Java
Email: mirzanuryady@umm.ac.id

[🏠 Home Page \(\)](#)



SHAIMAA AHMAD HASSAN ()

College of Remote Sensing & Geophysics, Al Karkh University of Science, Baghdad, Iraq
Email: dr.shaimaa_altaee@kus.edu.iq

[🏠 Home Page \(\)](#)



MAUSAMI VAGHELA ()

New College Wadi-3, B/H Punjab Honda, Opp. sitvan Flat, Kalawad Road, Rajkot.
Email: mausami_2123@yahoo.com

[🏠 Home Page \(\)](#)



KOTESHWARA MUDIGONDA ()

Suven Life Sciences Limited, Hyderabad, India
Email: koteswara_mudigonda@yahoo.com

[🏠 Home Page \(\)](#)



DR. SWAMY C T ()

51, Anna Arch Rd,NSK Nagar, Anna Nagar, AA Hospital Campus
Email: swamyct23@gmail.com

[🏠 Home Page \(\)](#)



KHUDHAIR ABBAS KAREEM AL-RUDAI ()

Iraq, Baghdad
Email: khudhair.2010@yahoo.com

[🏠 Home Page \(\)](#)



BALJEET YADAV ()

1202 H. Coralwood Sector 84, Gurugram INDIA
Email: baljeet.yadav@gdgu.org

[🏠 Home Page \(\)](#)



DR NILIMA ABHIJEET THOMBRE ()

MET's Institute Of Pharmacy, Bhujbal Knowledge City, Adgaon, Nasik-422003, Maharashtra, India. nilimat_iop@bkc.met.edu 09422284082 , 09960646693
Email: nilimat_iop@bkc.met.edu
🏠 Home Page ()



SNIGDHO DAS ()

Flat No.6,Ira Appartments-2,Jadunath Ukil Road, Kudghat
Email: snigdho1991@gmail.com
🏠 Home Page ()



DR SUDARSAN BISWAL ()

O/o the Asst. Drugs Controller, Bhubaneswar Circle II, Bhubaneswar, Khordha, Odisha, India
Email: drsbiswaldi@gmail.com
🏠 Home Page ()



NAZIYA IQBAL KHAN ()

38 Sahyadri nagar Isbavi Pandharpur 413307 Solapur Maharashtra
Email: naziya.aara@gmail.com
🏠 Home Page (<https://sahyadripharmacy.org/wp-content/uploads/2021/08/teaching-staff-converted.pdf>)



DR GYANENDRA KUMAR SHARMA ()

Anand College of Pharmacy, Agra
Email: gyanendrasharma.acp@sgei.org
🏠 Home Page (<https://acp.edu.in/teacher/prof-dr-gyanendra-kumar-sharma/>)



MISS.MALI SUNAYANA MALLAPPA ()

A/P-Andhalgaon, Pin No. -413 305 Tal- Mangalwedha, Dist-Solapur, Maharashtra, India
Email: sunayanamali01@gmail.com
🏠 Home Page (sunayanamali01@gmail.com)



DR. ARUNACHALAM MUTHURAMAN ()

Dr. Arunachalam Muthuraman, M. Pharm., Ph.D. Associate Professor, Pharmacology Unit, Faculty of Pharmacy, AIMST University, Semeling, 08100 Bedong, Kedah Darul Aman, Malaysia. E-mail: arunachalammu@gmail.com Phone No: +60-1136293386 (Malaysia); +91-9988040886 (India) Malaysia Office: +60-44298000 (Extn: 1281 / 1284);
Email: arunachalammu@gmail.com
🏠 Home Page (https://www.aimst.edu.my/staff_/dr-arunachalam-muthuraman-2/)



MUKUL SHARMA ()

Faculty of Pharmacy, Medi-Caps University, Indore
Email: mukul.sharma@medicaps.ac.in
🏠 Home Page (<https://www.medicaps.ac.in/index.php?action=sf-staffdetails&staffid=1228>)



PROF. DR. NAGHAM MAHMOOD ALJAM ()

Professor , Department of Chemistry , Synthetic Field, Iraq.

Email: dr.nagham_mj@yahoo.com

🏠 Home Page (https://scholar.google.com/citations?user=0wqLjt8AAAAJ&hl=ar&gmla=AJsN-F5GvOOKKyaAsEKcwgNKZCgs8Q95yiqZLQSWLS0iEE5AtfDpE_LPbiIC790EmRTK5DMcQdmVvSD-LcE1L5ws605G92_DOcdFrRGY6-00AQTzC-irTZoCkvxK5m_3U1LDawTxfjKEJCI5SgviEuax2cWd414ttnqmt493TuZe2IldUgNaFOk&sciund=8034552379251919217&gmla=AJsN-F6AviWRrBUMr5xB-N2NQLVhVVMH2UYNPUPUwo6XitdvodTgP2H-NfP061db5-BOPRPrupq3unxysAvMnAX_DbbYNUfhH5AwSObsyOKdwUC9IDkFjaW89CJtnjL95BplOPxJoTWsXyxLJ6iNNtKWKIC91rFjItdNQmcpJwsg24I&sciund=4058147899730636809)



PRASHANT PANDEY ()

Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow

Email: mrpandeyprashant@gmail.com

🏠 Home Page (<https://www.bbau.ac.in/>)



PATHAN HUJEB AFSAR KHAN ()

Shreyash Institute of Pharmaceutical Education and Research Aurangabad, Maharashtra, India.

Email: pathanhujeb@gmail.com

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DR. SHIKHA MAHESHWARI ()

Pushpanjali Enclave Pitampura Delhi

Email: shikhamaheshwarimohta@gmail.com

🏠 Home Page (<https://staff.cuchd.in/StaffHome.aspx>)



DR V N MEENA DEVI ()

Noorul Islam Centre for Higher Education Kumaracoil, Kanyakumari Dist. Tamilnadu 629180 India.

Email: meenadevi@niuniv.com

🏠 Home Page (<http://www.niuniv.com/>)



PRASHANT PANDEY ()

Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, Uttar Pradesh, India

Email: drpandeyprashant@outlook.com

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MR. TUSHAR PRADIP DUKRE ()

At- Malwadi; Post- Bota.

Email: tusharpd23@gmail.com

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DR. DATTATRAYA MANOHAR SHINKA ()

Rajiv Nagar Nashik Vaibhav Colony

Email: dattashinkar@gmail.com

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PROF. SACHIN NAMDEO KOTHAWADE ()

Sitabai Thite College of Pharmacy, Pune-Nagar Bypass, Behind Hudco Colony, Shirur, Tal - Shirur, Dist - Pune, Pin - 412210

Email: sachin.kothawade23@gmail.com

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DR.SIVARAMAN DHANASEKARAN ()

Pandit Deendayal Energy University, Gandhinagar,Gujarat

Email: sivaramand83@gmail.com

🏠 Home Page (<https://pdp.ac.in/>)



ALI MAHMOOD RAYSHAN ()

Iraq, Karbala, City Center

Email: alireshan@g.alzahu.edu.iq

🏠 Home Page (<https://alzahu.edu.iq/en>)



DUKRE TUSHAR PRADIP ()

At- Satral, Post- Songaon, Tal- Rahuri, District-Ahmednagar, 413711

Email: tusharpd23@gmail.com

🏠 Home Page (www.shrissiop.in)



DR. SK. ARIFA BEGUM ()

Dr. Sk. Arifa Begum, Assistant Professor, KVSr Siddhartha College of Pharmaceutical Sciences, Siddhartha Nagar, Vijayawada - 520 010, Andhra Pradesh, India.

Email: arifashaik2007@gmail.com

🏠 Home Page (<https://kvsrsiddharthapharma.edu.in/>)



RUPALI NIRMAL ()

Sahajanandnagar

Email: rupalinirmalcpn@gmail.com

🏠 Home Page (<https://sanjivanipharm.org.in/>)



RISHU YADAV ()

352/1 n.l.c. Kidwai Nagar Kanpur

Email: rishu.yadav789@gmail.com

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PRAVEEN KUMAR UPPALA ()

LIG 163, Alakananda Colony, Vizianagaram, Andhra Pradesh

Email: praveen.chintu32@gmail.com



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DR. EKA INDRA SETYAWAN ()

Department of Pharmacy Udayana University

Email: ekaindrasetyawan@unud.ac.id

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DR. MOHAN GANDHI BONTHU ()

V. V. Institute of Pharmaceutical Sciences, Gudlavalleru, Krishna District 521356.

Email: bmgandhipharma@gmail.com

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Sandip Institute of Pharmaceutical Sciences, Nashik

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NARESH KSHIRASAGAR ()

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DR. PRAVIN KUMAR SHARMA ()

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Email: praveensharma910@gmail.com

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HANA BAJES ()

NJ-USA

Email: bajes80@gmail.com

🏠 Home Page (<https://www.atlantic.edu/directory/faculty/bajes-hana.php>)



DR. J. SIVAKUMAR ()

Assistant Professor, PG Department of Zoology, Guru Nanak College (Autonomous),
Velachery, Chennai – 600 042, Tamil Nadu, India

Email: sivakumar.j@gurunanakcollege.edu.in

🏠 Home Page (<https://gurunanakcollege.edu.in/school-of-science>)



DR. V.N. INDULATHA ()

8/50RC Nagar extension, Othakkalmandapam, Coimbatore, Tamilnadu, India

Email: profindulatha@gmail.com

🏠 Home Page (<https://nchs.nirmalacollege.edu.in>)

RISHIKESH BACHHAV ()

Anjaneri, Trymbakeshwar



Email: bachhavrss@rediffmail.com
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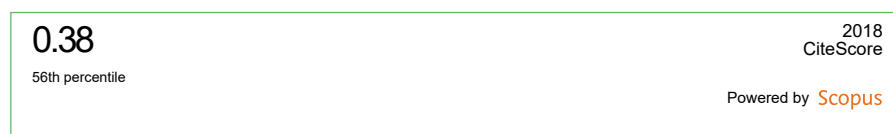


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RESEARCH ARTICLE

***Lactobacillus plantarum* IS-10506 Accelerates Healing of Gastric Injury Induced by Ketorolac in Wistar Rats**

Fauziah Pratiwi, Alpha Fardah Athiyyah*, Andy Darma, Reza Gunadi Ranuh, Widjiati Widjiati, Wibi Riawan, Khadijah Rizky Sumitro, SubijantoMarto Sudarmo

Department of Child Health, Dr. Soetomo Hospital, Faculty of Medicine, Universitas Airlangga, Jl. Prof. Dr. Moestopo No. 6-8, Surabaya, Indonesia.

*Corresponding Author E-mail: alpha-f-a@fk.unair.ac.id

ABSTRACT:

Gastric injury is an event that often occurs due to many factors, such as the use of drugs, stress factors, infections, chemicals, etc. The use of histamin 2(H2) receptor antagonist drugs and pump inhibitors have become the choice for gastric injury treatment so far and requires a relatively long time. The widespread use of probiotics has been shown to affect the healing process of digestive tract disorders, for example in the small intestine. This study aimed to investigate the effect of *Lactobacillus plantarum* IS-10506 in accelerating the healing of gastric injury induced by ketorolac in the rat. The experimental study used 64 Wistar rats divided into 4 groups, group 1 (control), group 2 (ketorolac administration), group 3 (ketorolac and probiotic administration), and group 4 (preventive treatment with probiotic before, ketorolac administration, and treatment with probiotic). Each group was divided into 4 subgroups based on the day of sacrifice, days 1, 5, 7, 10. The healing of gastric injury evaluating by epithelial defects improvement and fibroblast cells by hematoxylin and eosin (HE) staining. The group induced by ketorolac (group 2) showed the highest epithelial defect score ($p=0.048$) on day 1. The repair of the epithelial defect in group 3 and group 4 were significantly increased on day 5, while group 2 remains defective on day 5 ($p=0.019$). Fibroblast cells of groups 3 and 4 decreased significantly more than others on day 10 ($p=0.024$). *Lactobacillus plantarum* IS-10506 influences the healing acceleration of gastric injury by ketorolac by enhancing epithelial regeneration and fibroblast cells.

KEYWORDS: Gastric injury, ketorolac, *Lactobacillus plantarum* IS-10506, Wistar rat.

INTRODUCTION:

Gastric injury incidence can happen caused by many factors, such as prolonged use of nonsteroidal anti-inflammatory drugs (NSAID).¹ Ketorolac is a well-researched NSAID with anti-inflammatory, antipyretic and analgesic effects that is frequently recommended, which can inhibit the activity of the prostaglandin (PG) biosynthetic enzymes, the cyclooxygenase (COX) isoforms 1 and 2.^{2,3} The healing process of gastric injury includes cell proliferation, migration, re-epithelialization, granulation tissue formation, angiogenesis, and interactions between various cells and extracellular matrix, all of which result in scar tissue formation and tissue remodelling, involving the role of fibroblasts in the early stages.⁴

The gastric first defence mechanism is the gastric mucosal lining, composed of glycosylated proteins that form a gel layer of the gastric mucous membrane through the gene encoding mucin.⁵

Gastric acid reduction and/or neutralization were the main goals of pharmaceutical care of gastric injury.⁶ The treatment of gastric injury has been using proton pump inhibitor (PPI) and other drugs.⁷ The etiology of stress-induced gastric ulcers has also been linked to endogenous histamine production and mast cell discharge from the stomach mucosa, hence H2 receptor antagonists, such as ranitidine were used.⁸ The use of probiotics is currently being developed as an alternative therapy for gastric injury therapy, considering that there have been many benefits of probiotics in many types of diseases.⁹ *Lactobacillus plantarum* is a widespread lactic acid bacterium commonly found in fermented foods as well as in the human gastrointestinal tract. In some strains of *L. plantarum* the ability to survive along the

human gastrointestinal tract has been proved aside from their capacity to adhere to the epithelium cells where benefic actions can take place.¹⁰ The study held by Athiyyah et.al. in 2019 showed the benefit of *Lactobacillus plantarum* IS-10506 (*L. plantarum* IS-10506) has been shown in accelerating the regeneration of the intestinal mucosal structure.¹¹ The study held by Ranuh et.al, in 2020 showed that *L. plantarum* IS-10506 showed a significant role in intestinal stem cells and intestinal mucosal barrier integrity.¹²

Our present study examined the effects *Lactobacillus plantarum* IS-10506 in accelerating healing of gastric injury induced by ketorolac in the rat.

MATERIAL AND METHODS:

Probiotic:

Microencapsulated *Lactobacillus plantarum* IS-10506 (GeneBank accession n° DQ860148) was dissolved in 1.5ml of sterile water and administered daily, through a gastric tube, at an of dose 2.86×10^{10} CFU/day. The probiotic was given to group 3 after induced ketorolac. For group 4, the probiotic was given 6 days before inducing ketorolac, and the probiotic was given after inducing ketorolac. Probiotic (*Lactobacillus plantarum* IS-10506 2.86×10^{10} CFU equal 1gram.

Ketorolac:

Ketorolac with a dosage of 30mg/kg body weight was given one day, and the rat fasted for 6-8 hours before (Ketorolac Trometamol, No. Reg: DKL 0604425417A1, Dankos Farma, Indonesia) suspended in sterile water through gavage then treated with distilled water daily on the following days. On day 1, 5, 7, and 10 after being induced with one day of ketorolac 30mg/kg body weight administration, rats were sacrificed, and the gastric issue was collected.

Animal Preparation:

Male Wistar rats (n = 64, 12 weeks old, approximately 150-250g obtained from Yogyakarta Agricultural Institute) were housed in 16 cages (four per cage) on a 12 hours:12 hours light/dark cycle. All animals were acclimated to their environment for 1 week and had ad libitum access to water and a standard rodent chow diet. Rats were routinely monitored for body weight (BW). The rats were deprived of food, but not water, for 6-8 hours before an experiment. After 7 days of acclimatization, sixty four Wistar rats were equally assigned into 4 experimental main groups (group 1 was a control group, consisting of 16 rats, given sterile water; group 2 was ketorolac induced group, which consisted of 16 rats; group 3 was ketorolac induced group, continued with probiotic treatment, consisted of 16 rats; and group 4 was probiotic preventive continued with ketorolac induced and continued with probiotic

treatment, consisted of 16 rats). Group 1 as control group and groups 2, 3, 4 were experimental groups consisting of 16 rats divide into 4 sub-group according to the day of sacrifice, days 1, 5, 7 and 10, that each day consist of 4 rats. The control group consisted of 16 rats who were treated with distilled water daily through a gastric tube. This study received ethical approval from the Animal Care and Use Committee (ACUC) of the Veterinary Medicine School in Indonesia

Measurement of Gastric Injury:

The measurement of gastric injury using epithelial defect score is based on the Histology Activity Index (HAI) score by Roger's criteria. The stomachs were removed, inflated by injecting 10ml of saline, immersed in 1% formalin for 1 hour to fix the gastric tissue, and opened along the greater curvature. The epithelial defect, epithelial reparation, and fibroblast cells were scored by semiquantitative according to Roger's criteria by an observer unaware of the treatments.

Histology:

The gastric injury and healing were examined with H&E stains under a microscope, either with fibroblast cells. The animals were euthanized after the drug administration under ketamine anaesthesia, and the stomachs were excised, immersed in 10% neutralized formalin, and embedded in paraffin. The sections (8mm) were cut using a microtome and stained with HE. The epithelial defect score represented the gastric injury, with the scoring system according to Roger's criteria. The fibroblast cells were examined using the semiquantitative examination.

Statistical Analysis:

The statistical analysis used descriptive analysis to determine the description of gastric injury, healing of gastric injury by epithelial repair and fibroblast cells. Statistical test with ANOVA for data with normal distribution, and Kruskal Wallis and Mann-Whitney statistical test used for data with the abnormal distribution, with $p < 0.05$ being significant.

RESULTS:

Through random allocation into 4 groups (control and treatment) and screening before treatment with inclusion criteria, namely rats aged 12 weeks and male sex with body weight 180grams – 200grams and exclusion criteria were animals within the observation period, the animal suffers from the illness, which can be seen from changes in animal behaviour (changes in eating/drinking patterns, animal activities) and other important clinical signs (weight loss, breathing patterns, diarrhoea, vomiting, etc.), the animals under observation die either due to physical and mental stress, damage to organs or tissues occurred during sampling. During the study,

there was 1 rat died for each group.

Gastric Injury Microscopic Examination:

The degree of gastric injury was assessed based on the method *histological activity index* (HAI) according to Rogers, 2012 which is modified with the value of the criteria has a vulnerability, where a score of 0-4 (0 = no abnormality entire visual field of view, 1 = abnormality <25% of the entire visual field of view, 2 = 25%-50% abnormality of the entire field of view, 3 = abnormalities 50% - 75% of the entire visual field of view, 4 = abnormalities > 75% of the entire field of view).¹³ From the results of the microscopic picture of the gastric injury healing process on day 1 and day 10, it can be seen in the image below.

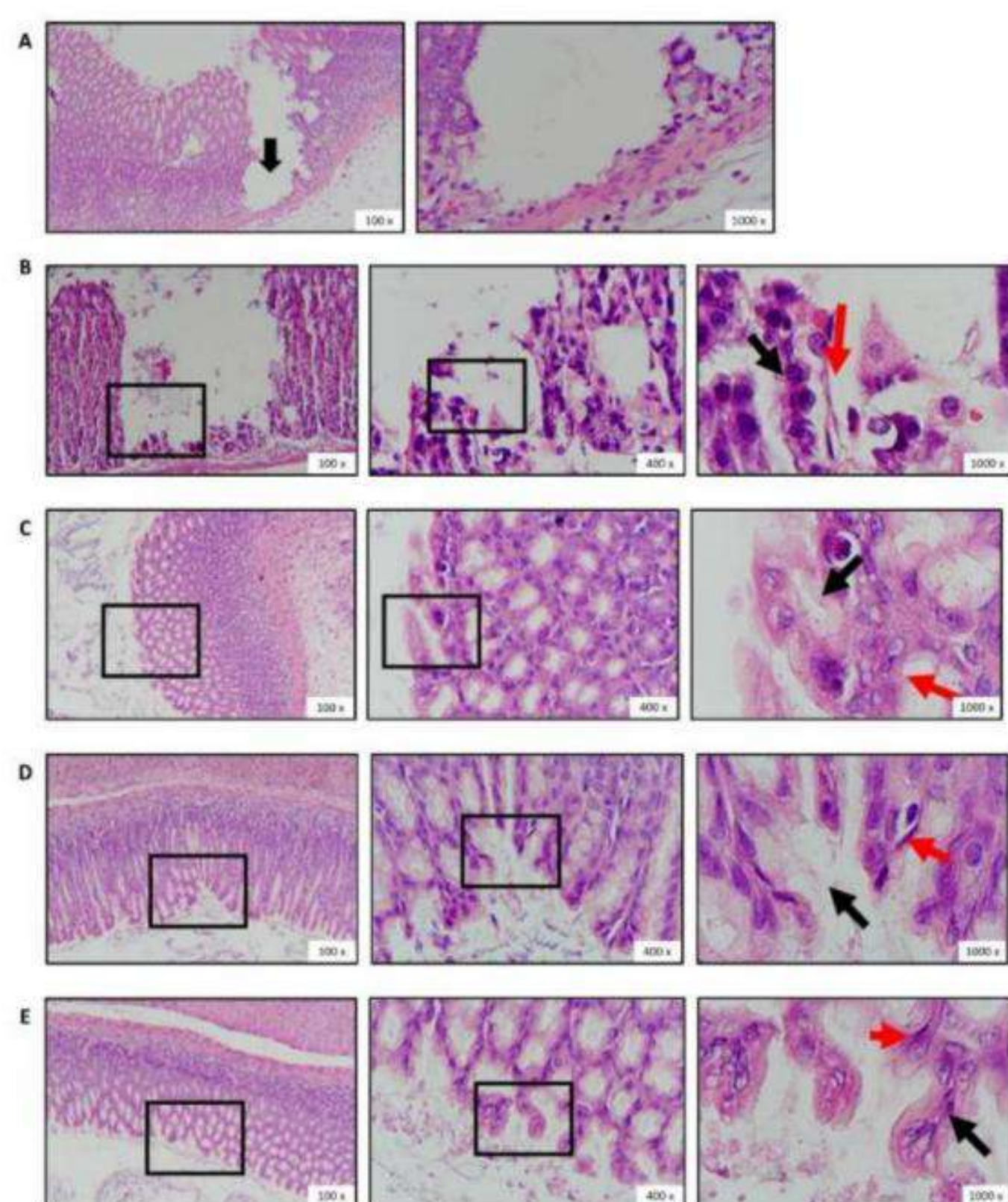


Figure 1. A) Gastric mucosal layer in group 2 (ketorolac induce) on examination day 1 with HE stains.

The figure showed the defect epithelial layer on day 1 after ketorolac was induced. The black row showed the epithelial defect. B) Gastric mucosal layer in group 2 (ketorolac induce) on examination day 10 with HE stains. The repair of the epithelial layer was still minimal. Black arrows indicate gastric and mucosal epithelial lining injury. Red arrows showed fibroblast cells. C) Gastric mucosal layer in the control group (group 1) on examination day 10 with HE stains. Visible epithelial layer intact, no injury found. Black arrows indicate an intact gastric and mucosal epithelial layer. Red arrows showed fibroblast cells. D) Gastric mucosal layer in group 3 (exposure to ketorolac-probiotics) on examination day 10 with HE stains. The epithelial layer injury that did not penetrate the

submucosa area was seen; the epithelial layer healing was seen. Black arrows indicate gastric and mucosal epithelial lining injury. Red arrows showed fibroblast cells. E) Gastric mucosal layer in group 4 (probiotic-ketorolac-probiotic exposure) on examination day 10 with HE stains. Visible epithelial and mucosal layers are intact. Black arrows indicate gastric and mucosal epithelial layers. Red arrows showed fibroblast cells.

Description of the status of epithelial damage to the gastric mucosa after treatment between the control group 1 and the treatment group 2, 3, 4) in Wistar rats sacrificed on day 1, day 5, day 7, and day 10 are listed in table 1 below.

Table 1. Comparison of epithelial damage (gastric injury between groups)

Group	Day			
	Day 1 (Mean ± SD)	Day 5 (Mean ± SD)	Day 7 (Mean ± SD)	Day 10 (Mean ± SD)
1	0 ^a	0 ^a	0 ^a	0
2	3.33 ± 1.155 ^b	3.67 ± 0.577 ^c	3 ± 1 ^c	2 ± 1
3	2.33 ± 0.577 ^b	1.33 ± 0.577 ^b	1.33 ± 0.577 ^{bc}	1.33 ± 0.577
4	2.33 ± 0.577 ^b	1.33 ± 0.577 ^b	1 ± 0 ^b	1.33 ± 0.577
<i>p value</i>	0.048*	0.019*	0.018*	0.055

*Significant difference in p<0.05 based on the Kruskal-Wallis test
^{a,b,c}The same superscript shows results that are not significantly different based on the Mann Whitney test.

Based on the results, epithelial defect scores in group 2 were seen to be highest on day 5 after exposure to ketorolac. Epithelial defect scores showed the lowest values on day 5 in both groups 3 and 4, group 4 showed the lowest values of epithelial defects on day 7.

Table 2: Healing of gastric injury by looking at the fibroblast cells

Group	Day			
	Day 1 (Mean ± SD)	Day 5 (Mean ± SD)	Day 7 (Mean ± SD)	Day 10 (Mean ± SD)
1	4 ± 1	4.67 ± 2.517	4 ± 1	5.33 ± 1.528 ^b
2	8 ± 1.732	9 ± 1.732	8.67 ± 1.528	11.33 ± 1.528 ^b
3	6.33 ± 1.528	5 ± 1	2.67 ± 0.577	3 ± 1 ^{ab}
4	5.67 ± 1.528	3.67 ± 1.528	3.33 ± 1.528	2.33 ± 1 ^a
<i>p value</i>	0.089	0.071	0.052	0.024*

*Significant difference in p<0.05 based on Kruskal Wallis test
^{ab}The same results show that the results are not significantly different based on the Mann Whitney test

Based on the results it is known that group 1 is not significantly different from group 2 and group 3 but significantly different from group 4. Group 2 is significantly different from group 4 but not different from group 3, and group 3 is not significantly different from group 2 and group 4. Examination on day 1, day 5,

and day 7 had a p-value > 0.05, which means that there was no significant difference between groups. It can be seen that the expression of fibroblast cells as an expression of tissue damage was seen to have the highest value in each group on day 1. In groups 3 and 4, fibroblast cells began to decrease, indicating healing on day 5, and fibroblast cells decreased from day 7 to day 10. However, the expression value of fibroblasts increased every day in group 2. This showed an increase in gastric ulcer repair with increasing days after exposure to ketorolac in group 3 and group 4, but in group 2 there was tissue damage that continued with increasing examination days.

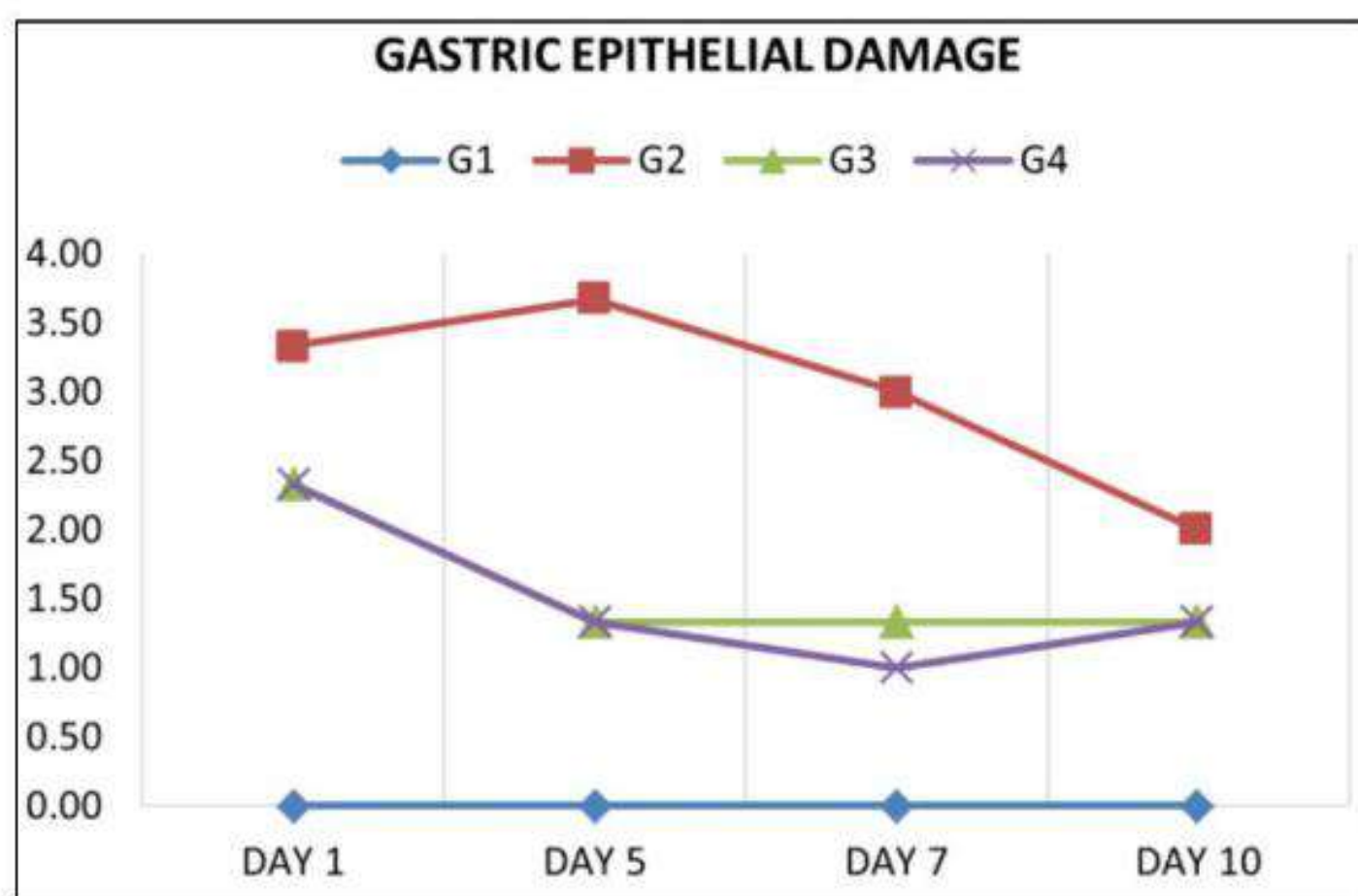


Figure 2. Damage to the rat gastric surface epithelium representing gastric injury.

Epithelial defect scores on group 2 (G2) were seen to be highest on day 5 after exposure to ketorolac. Epithelial defect scores showed the lowest values on day 5 in both groups 3 (G3) and 4 (G4), group 4 (G4) showed the lowest values for epithelial defects on day 7.

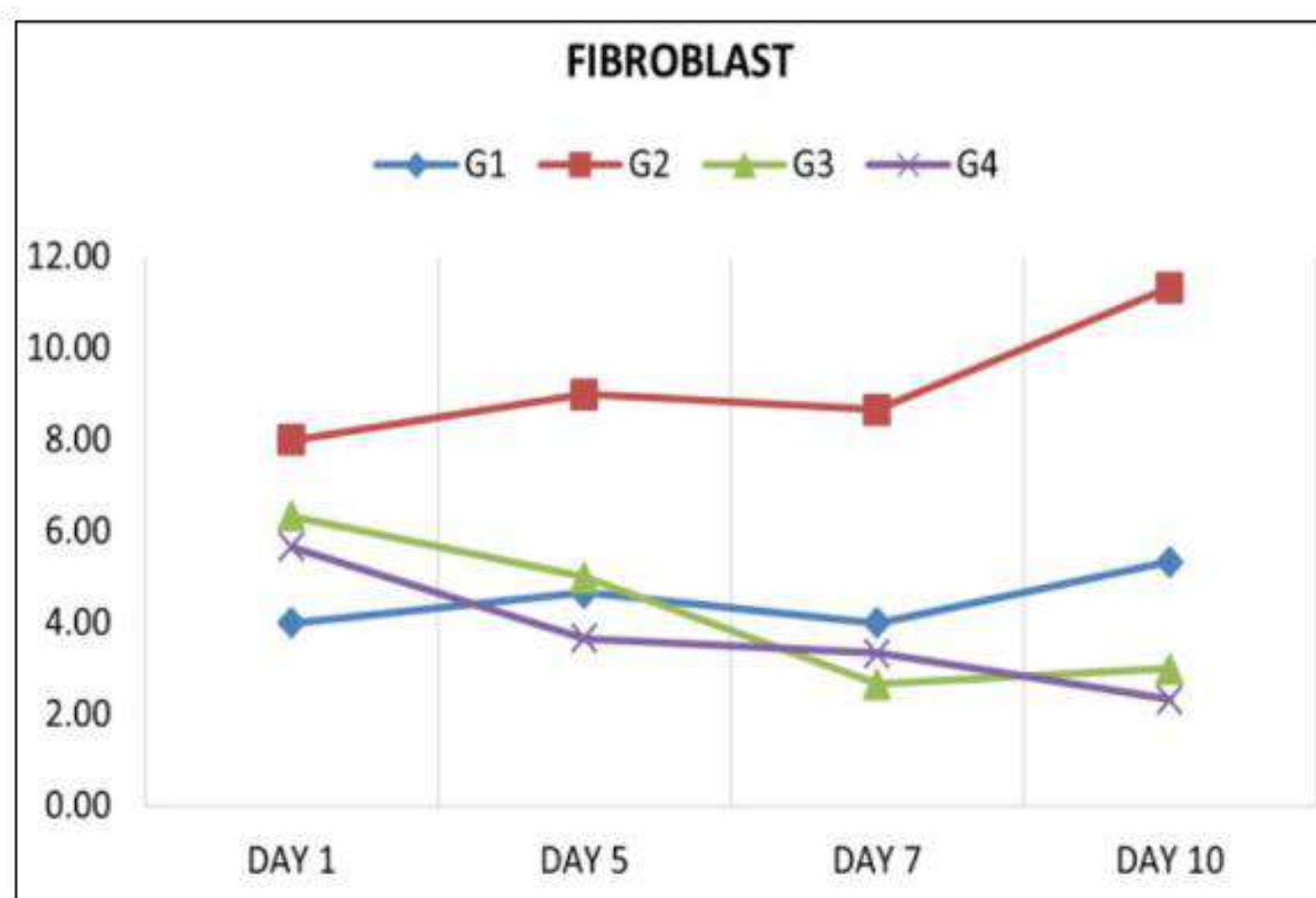


Figure 3. Repair of gastric injury by looking at the fibroblast expression score.

From the results of the study, it can be seen that the expression of fibroblasts as an expression of tissue damage was seen to have the highest value in each group on day 1. In groups 3 and 4 (G3 and G4), fibroblast expression began to decrease, indicating gastric ulcer repair on day 5, and fibroblast expression decreased on day 7 to day 10. However, the expression value of fibroblasts increased every day in group 2 (G2). This showed an increase in gastric injury repair with increasing days after exposure to ketorolac in group 3 (G3) and group 4 (G4), but in group 2 (G2) there was tissue damage that continued with increasing examination days.

DISCUSSION:

Effects of *Lactobacillus plantarum* IS-10506 on Repair Acceleration Ketorolac-induced Gastric Injury by Observing the Repair of Gastric Mucosal Epithelial Damage The results of the study were based on microscopic parameters with assessing epithelial damage (gastric injury) shows if: On the first day after exposure to ketorolac, gastric epithelial damage occurred in all treatment groups (group 2, group 3, group 4), the highest value of epithelial damage occurred in group 2, while the value of epithelial damage in group 3 and group 4 was lower compared to group 2. The healing of gastric injury began with decreased damage score in group 3 and group 4 on the 5th day after exposure to ketorolac. Meanwhile, in group 2, the value of epithelial damage was increasing on the 5th day. Improvement of gastric injury in the group that was given probiotics was seen to occur on the 5th day and continued until the 7th day. Groups 3 and 4 showed the same healing gastric injury score on the 10th day after exposure to ketorolac. From the results of the microscopic examination, it can be concluded that: ketorolac at a dose of 30mg/kg body weight can cause gastric injury in rats after 1 day of administration. Healing of gastric injury in the group given *Lactobacillus plantarum* IS-10506 before exposure to ketorolac occurred on day 5 after exposure to ketorolac (group 3) and the same thing occurred in group 4 (the group that received *Lactobacillus plantarum* IS-10506 as preventive and as curative), where the gastric injury healing process occurred on the 5th day after exposure to ketorolac. The administration of *Lactobacillus plantarum* IS-10506 could accelerate the repair of gastric injury after induction of ketorolac in group 3 and group 4 rats when compared to the group that did not receive *Lactobacillus plantarum* IS-10506 (group 2).

This study assessed the improvement of gastric injury induced by ketorolac administration in Wistar rats by taking 2 parameters, repair of epithelial defects and fibroblast cells. Use of non-steroidal anti-inflammatory drugs for a prolonged period of time can result in some gastrointestinal damage (NSAIDs).¹⁴⁻¹⁶ Gastric injury induction in this study using ketorolac at a dose of 30 mg/kg body weight, can significantly inhibit COX-1 and COX-2 activity by 91% so that it can cause significant gastric damage in patients with gastric injury.¹⁷ Gastric injuries are induced by ketorolac through cyclooxygenase inhibition processes and partly by cyclooxygenase independent mechanisms, which are mostly caused by local processes.¹⁸ By using a variety of processes, increased mucus production by the gastric mucosal cells can stop gastrointestinal injury.¹⁹ Maintenance of mucosal blood flow during epithelial damage is very important in the process of repairing

damaged tissue, before progressing deeper into the submucosal layer.²⁰ Damage to the gastric mucosal epithelium due to oral administration of NSAIDs involves several mechanisms. The gastroprotective prostaglandins E1(PGE2) and prostaglandin (PGI2), which are mostly generated by COX-1, are synthesized less, which contributes to the gastro-intestinal (GI) adverse effects of NSAIDs.^{21,22} Acidic NSAIDs can directly damage epithelial cells. Several cytotoxic mechanisms, namely the induction of osmotic lysis that occurs after NSAIDs interact with epithelial cells, then epithelial cell death occurs after the release of oxidative phosphorylation. Nonsteroidal anti-inflammatory drugs (NSAIDs) can also reduce mucus and bicarbonate secretion, thereby decreasing the effectiveness of the juxta-mucosal pH gradient in protecting the epithelium. Nonsteroidal anti-inflammatory drugs (NSAIDs) can also interfere with the active phospholipid layer on the mucosal surface. This will make the mucosa less able to withstand the damage caused by luminal acid.²³ Healing of gastric injury is a complex process, initial healing by rapid migration of epithelial cells and inflammatory cells that appear in the early phase of healing are replaced by fibroblasts, while in the late healing phase they are replaced by microvasculature.²⁴

Previous experimental studies have proven the ability of certain probiotic strains to accelerate the healing of the gastric injury.²⁵ Research conducted by Murali et al in 2010 showed that live probiotic strains induce the production of protective cytokines that increase epithelial cell regeneration and inhibit epithelial cell apoptosis.²⁶ The results of research conducted by Yan and Polk in 2002 showed that *Lactobacillus rhamnosus* GG could prevent apoptosis of intestinal epithelial cells.²⁷ Research conducted by Neish et al in 2000 showed that probiotic bacteria in rat or human colon cell culture can activate anti-apoptotic Akt/protein kinase B and inhibit the activation of p38-activated protein kinase/proapoptotic mitogen by tumour necrosis factor (TNF), IL-1., or interferon (IFN).²⁸

Research conducted by Halper et al in 2003, Resta-Lenert and Barrett in 2003, and Valdez in 2005 found that probiotic metabolites have been reported to induce angiogenesis, proteoglycan deposition, and wound healing.²⁹⁻³¹ Research conducted by Halper et al in 2003 found that metabolite products from lactobacilli cultures can induce angiogenesis and proteoglycan deposition which are very important in remodelling tissue damage.³¹ The polysaccharide fraction isolated from the cell walls of bifidobacteria, lactobacilli, and streptococci was reported to have an anti-ulcer effect and the polysaccharide fraction from *Bifidobacterium bifidum* YIT4007 was found to up-regulate epidermal growth factor (EGF) and basic fibroblast growth factor (bFGF).

These findings prove that probiotics can help heal mucosal ulcers. Yoghurt containing *Lactobacillus gasseri* OLL2716 (LG21 yoghurt) showed a gastroprotective effect against HCl-induced gastric mucosal damage and antral ulcers in the stomach of rats compared to unfermented milk. The protective effect is the ability of probiotics to increase PGE2 production and increase gastric mucosal blood flow, fiber increases bicarbonate secretion.²⁸

Research conducted by Ogueke et al in 2010 found that probiotic strains can stimulate and modulate the immune system.³² Research Pathmakanthan et al 2004 showed that the administration of *Lactobacillus plantarum* can increase the synthesis and secretion of IL-10 in macrophages originating from the inflamed colon.³³ Research conducted by Ng et al in 2009 showed that probiotics can affect lymphocytes through changes in stimulation caused by changes in antigen-presenting cells (APCs), macrophages, platelet derived growth factor (PDGF), EGF, fibroblast growth factor (FGF), and cytokines.³⁴ Another experimental study showed that probiotics may contribute to the prevention and modality of gastric ulcer therapy by increasing: i) production of prostaglandins, mucins, growth factors and anti-inflammatory cytokines, ii) ratio of cellular proliferation to apoptosis, iii) gastric mucosal integrity, iv) trans-resistance mucosa and v) angiogenesis.⁹

Probiotics have been extensively studied in animal models and beneficial effects of several species and strains have been demonstrated on immunological, metabolic, and neuroendocrine dysfunction. Probiotics engage with the mucosal immune system via Toll-like receptors to promote type 1 helper T cell differentiation. As a consequence, antibody production is increased, phagocytic and natural killer cell activity is increased, and activation of the NFκ-B inhibitory pathway is increased. This results in the induction of T cell apoptosis, upregulation of anti-inflammatory cytokines, such as interleukin (IL)-10, and transformation of growth factors and downregulation of proinflammatory cytokines such as tumor necrosis factor alpha (TNF-α), interferon-gamma, and IL-8.³⁵ Uchida et al. found that *Lactobacillus* can inhibit ileal ulcers in mice by suppressing the growth of ulcer-inducing bacteria.²⁵

Effects of *Lactobacillus plantarum* IS-10506 on Repair Acceleration Ketorolac-induced Gastric Injury by Observing the Fibroblast Cell:

This study showed that fibroblast expression as an expression of tissue damage showed a high value in each group on day 1. Fibroblast expression began to decrease on day 5, followed by a decrease in fibroblast expression on day 7 to day 10 in group 3 and group 4. Based on statistical tests showed if the expression of fibroblasts in

the given group *Lactobacillus plantarum* IS-10506 there was a decrease in fibroblast expression on day 5, where the decrease in fibroblast expression did not differ between day 1 and day 5. This indicated that repair of gastric injury increased with days after exposure to ketorolac in group 3 and group 4. Group 2 showed an increased expression of fibroblasts every day of necropsy. This shows that the group that received *Lactobacillus plantarum* IS-10506 as preventive and curative showed increased fibroblast expression on day 1, and decreased on day 5 onwards, indicating an accelerated repair of gastric ulcers after day 1 exposure to ketorolac.

Fibroblasts are cells that are normally found in the gastric mucosa, which function to upgrade the damage if an ulcer occurs in the gastric mucosa through granulation tissue. Fibroblasts are the forerunner of microvascular and connective tissue both in vivo and in vitro that play a role in the wound healing process.²⁸ Research conducted by Nasrabadi et al. in 2011 stated that in a gastric ulcer model performed on rats, fibroblast expression showed the highest value on days 3 and 5 with the administration of probiotics (*Lactobacillus plantarum*) compared to controls, which showed fibroblast expression on healing ulcer on the 7th day.³⁶ The migration process from fibroblasts to granulation tissue is triggered by several growth factors, namely: transforming growth factor (TGF), platelet derived growth factor (PDGF), epidermal growth factor (EGF), fibroblast growth factor (FGF) and several cytokines. This study showed that *L. plantarum* could increase the expression of several growth factors in the expression of fibroblasts in the healing process of gastric ulcers. Research conducted by Nasrabadi et al in 2011 showed that neutrophils, macrophages, and fibroblasts were significantly reduced on the seventh and fourteenth days after ulcer induction in the experimental group compared to the control and negative control groups. These data indicate that inflammation has decreased.³⁶

Research conducted by Playford and Wright has analyzed the sequential expression of various genes during gastric ulcer healing.³⁷ Based on the analysis differentiated genes involved in the early response, EGF-R, c-fos, c-jun, EGR-1, Sp-1, and trefoil factor family/Spasmolytic polypeptide (TFF-2/SP), all of which were activated immediately after ulcer formation (within 30 minutes); intermediate response genes, EGF, bFGF, PDGF, and VEGF (activated within 6 hours-2 days); and the slow response genes, hepatocyte growth factor (HGF), intestinal trefoil factor (ITF), and c-met/HGF-R (activated within 14 days). Several growth factors are produced by epithelial cells, for example, trefoil family factor (TFF), EGF, and TGF α ; and others, for example, PDGF, vascular endothelial

growth factor (VEGF), HGF, and basic fibroblast growth factor (bFGF), by mesenchymal cells. Upregulation of TFF may precede upregulation of other growth factors, such as EGF and TGF, indicating that TFF peptides have the potential to initiate gastric ulcer healing.⁴

Nagaoka et al reported that the polysaccharides Bifidobacterium breve YIT4014 and 4043I and Bifidobacterium bifidum YIT4007 were able to repair and protect the rat mucosa from erosion and gastric ulcers induced by acetic acid and ethanol. Polysaccharides from this probiotic mixture were found to increase the expression of growth factors such as fibroblast growth factor and epidermal growth factor in addition to 6-ketoprostaglandin F1.³⁸

CONCLUSION:

This study demonstrated that orally administered ketorolac 30 mg/kg body weight induced gastric mucosal injury in the rat. The administration of probiotics (*L. plantarum* IS-10506) can accelerate the healing process of gastric injury by enhancing the expression of gastric mucosal epithelial repair and decreasing the inflammation process seen by fibroblast cell expression.

CONFLICT OF INTEREST:

The authors declare no conflict of interest

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REFERENCES:

1. Russo R, Caro C De, Avallone B, Magliocca S, Nieddu M, Boatto G, et al. Ketogal: A derivative ketorolac molecule with minor ulcerogenic and renal toxicity. *Front Pharmacol.* 2017;8(NOV):1–11.
2. Rodríguez-Silverio J, Sánchez-Mendoza ME, Arrieta-Valencia J, Rocha-Gonzalez HI, Flores-Murrieta FJ. Tizanidine increases antinociceptive effect and prevents gastric damage induced by ketorolac in the rat. *Drug Dev Res.* 2013;74(1):38–42.
3. Rao TD, Kumar MPS. Analgesic Efficacy of Paracetamol Vs Ketorolac after Dental Extractions. *Res J Pharm Tech.* 2018;11(8):3375–9.
4. Tarnawski AS, Ahluwalia A. The critical role of growth factors in gastric ulcer healing: The cellular and molecular mechanisms and potential clinical implications. *Cells.* 2021;10(8).
5. Gomi A, Kano M, Miyazaki K, Ishikawa F. Effect of Bifidobacterium bifidum BF-1 on gastric protection and mucin production in an acute gastric injury rat model. *J Dairy Sci.* 2013;96(2):832–7.
6. Manimekalai P, Maheshwari P, Velmurugan R, Gurumoorthy M, Kumar SH, Vijayakumar G. Gastro Protective effect of Standardized Ethanolic leaf extract of *Indigofera tinctoria* on experimental Gastric Ulcers in Rats. *Res J Pharm Tech.* 2018;11(2):527–31.

7. Narkhede KP, Satapathy T, Pandit B. Protective effect of Cod Liver Oil in Experimentally Induced Gastric Ulceration in Rats. *Res J Pharm Tech.* 2019;12(1):5–10.
8. Muthukumaran P, Pattabiraman K. Anti-Ulcer Effects of *Ipomoea aquatica* forsk Leaves against Gastric Ulcers in Rats. *Res J Pharmacogn Phytochem.* 2010;2(6):468–71.
9. Khoder G, Al-Menhali AA, Al-Yassir F, Karam SM. Potential role of probiotics in the management of gastric ulcer (Review). *Exp Ther Med.* 2016;12(1):3–17.
10. Melgar-Lalanne G, Rivera-Espinoza Y, Hernández-Sánchez H. *Lactobacillus plantarum*: An overview with emphasis in biochemical and healthy properties. *Lact Classif Uses Heal Implic.* 2012;(September 2012):1–34.
11. Athiyyah AF, Darma A, Ranuh RG, Riawan W, Sudiana IK, Surono IS, et al. The effects of *Lactobacillus plantarum* IS-10506 on accelerating the regeneration of the intestinal mucosa structure examined by the scanning electron microscope. *Carpathian J Food Sci Technol.* 2019;10(5):11–8.
12. Ranuh RG, Athiyyah AF, Darma A, Riawan W, Surono IS, Sandra F, et al. *Lactobacillus plantarum* IS-20506 probiotic restores galectin-4 and myosin-1a expressions in duodenum, jejunum and ileum of lipopolysaccharide-induced rats. *Indones Biomed J.* 2020;12(3):283–7.
13. Rogers AB. Histologic scoring of gastritis and gastric cancer in mouse models. *Methods Mol Biol.* 2012;921(1):189–203.
14. Nitin M, Mohan Reddy U, Sayeed Ul Hasan S. Pharmacodynamic influence of vitamin C and Esomeprazole on gastro protection in pylorus ligation and aspirin induced ulcers in rats. *Res J Pharmacol Pharmacodyn.* 2012;4(3):176–80.
15. Saini S, Majee C. Antiulcer activity of *Lagerstroemia indica* leaves in Indomethacin Induced Gastric Ulcer in Rats. *Res J Pharm Tech.* 2021;14(8):4408–12.
16. Yuvaraj S, Priya AJ, Sriram N. Effect of Non Steroidal Anti Inflammatory Drugs in Pregnancy: A Systematic Review. *Res J Pharm Tech.* 2015;8(6):787–91.
17. Wallace JL, McKnight W, Reuter BK, Vergnolle N. NSAID-Induced gastric damage in rats: Requirement for inhibition of both cyclooxygenase 1 and 2. *Gastroenterology.* 2000;119(3):706–14.
18. Rocha-González HI, Sánchez-Mendoza ME, Cruz-Antonio L, Flores-Murrieta FJ, Cornelio-Huerta XI, Arrieta J. Antinociceptive Interaction and Pharmacokinetics of the Combination Treatments of Methyleugenol Plus Diclofenac or Ketorolac. *Molecules* [Internet]. 2020 Nov 3 [cited 2022 Jul 1];25(21). Available from: <https://pubmed.ncbi.nlm.nih.gov/33153182/>
19. Manikandan A, Doss DVA. Antiulcer Activity of 50% Hydroethanolic Leaf Extract of *Ruellia tuberosa* L. and *Dipteracanthus patulus* (Jaca) On Pylorus Ligated Gastric Ulcer Model. *Res J Pharmacogn Phytochem.* 2009;1(3):198–200.
20. Wallace JL. NSAID gastropathy and enteropathy: Distinct pathogenesis likely necessitates distinct prevention strategies. *Br J Pharmacol.* 2012;165(1):67–74.
21. Singh K, Monika, Verma N. Gastrointestinal and Cardiovascular Risks of Non-Steroidal AntiInflammatory Drugs (NSAIDs): Time to Translate Knowledge into Practice. *Res J Pharm Tech.* 2014;7(5):575–80.
22. Shirode DS, Powar P, Jain BB, Agarwal A. Antiulcer effect of *Blumea lacera* against Gastric ulcers in rats. *Res J Pharm Tech.* 2020;13(7):3340–2.
23. Wallace JL. Prostaglandins, NSAIDs, and gastric mucosal protection: Why doesn't the stomach digest itself? *Physiol Rev.* 2008;88(4):1547–65.
24. Fornai M, Antonioli L, Colucci R, Tuccori M, Blandizzi C. Pathophysiology of Gastric Ulcer Development and Healing: Molecular Mechanisms and Novel Therapeutic Options. 2008;
25. Uchida M, Kurakazu K. Yogurt containing *Lactobacillus gasseri* OLL2716 exerts gastroprotective action against acute gastric lesion and antral ulcer in rats. *J Pharmacol Sci.* 2004;96(1):84–90.
26. Murali Eswara S, Kavitha BTVV, Srikanth JG, Velmani G. Probiotics as potential therapies in human gastrointestinal health. *Int J Adv Pharm Sci.* 2010;1(2):96–110.
27. Yan F, Polk DB. Probiotics and immune health. *Curr Opin Gastroenterol* [Internet]. 2011 Oct [cited 2022 Jul 1];27(6):496–501. Available from: <https://pubmed.ncbi.nlm.nih.gov/21897224/>
28. Sullivan A, Nord CE. Probiotics and gastrointestinal diseases. *J Intern Med.* 2005;257(1):78–92.
29. Resta-Lenert S, Barrett KE. Live probiotics protect intestinal epithelial cells from the effects of infection with enteroinvasive *Escherichia coli* (EIEC). *Gut.* 2003;52(7):988–97.
30. Valdéz JC, Peral MC, Rachid M, Santana M, Perdigón G. Interference of *Lactobacillus plantarum* with *Pseudomonas aeruginosa* in vitro and in infected burns: The potential use of probiotics in wound treatment. *Clin Microbiol Infect.* 2005;11(6):472–9.
31. Halper J, Leshin LS, Lewis SJ, Li WI. Wound Healing and Angiogenic Properties of Supernatants from *Lactobacillus* Cultures: <https://doi.org/10.1177/153537020322801111> [Internet]. 2016 Nov 29 [cited 2022 Jul 3];228(11):1329–37. Available from: <https://journals.sagepub.com/doi/10.1177/153537020322801111>
32. Ogueke CC, Owuamanam CI, Ihediohanma NC, Iwouno JO. Probiotics and prebiotics: Unfolding prospects for better human health. *Pakistan J Nutr.* 2010;9(9):833–43.
33. Pathmakanthan S, Li CKF, Cowie J, Hawkey CJ. *Lactobacillus plantarum* 299: Beneficial in vitro immunomodulation in cells extracted from inflamed human colon. *J Gastroenterol Hepatol.* 2004;19(2):166–73.
34. Ng SC, Hart AL, Kamm MA, Stagg AJ, Knight SC. Mechanisms of action of probiotics: recent advances. *Inflamm Bowel Dis* [Internet]. 2009 [cited 2022 Jul 1];15(2):300–10. Available from: <https://pubmed.ncbi.nlm.nih.gov/18626975/>
35. Quigley EMM. Prebiotics and Probiotics in Digestive Health. *Clin Gastroenterol Hepatol.* 2019;17(2):333–44.
36. Nasrabadi MH, Aboutalebi H, Ebrahimi MT, Zahedi F. The healing effect of *Lactobacillus plantarum* isolated from Iranian traditional cheese on gastric ulcer in rats. *African J Pharm Pharmacol.* 2011;5(12):1446–51.
37. Playford RJ, Wright NA. Peptides and peptic ulceration. *QJM - Mon J Assoc Physicians.* 1998;91(10):661–5.
38. Mori Y, Hashimoto S, Watanabe T, Yokokura T. Anti-ulcer effects of lactic acid bacteria and their cell wall polysaccharides. *Biol Pharm Bull* [Internet]. 1994 [cited 2022 Jul 1];17(8):1012–7. Available from: <https://pubmed.ncbi.nlm.nih.gov/7820099/>