

Publication list 2020-21

<u>S. No.</u>	<u>Citation</u>	<u>Authors</u>	<u>Type</u>	<u>Journal</u>	<u>Impact factor (2020)</u>
1.	Kumar R, Trivedi V, Chauhan R, Parwez A, Pal B, Murti K, Ravichandiran V, Ali M. Human Papilloma Virus Types 16/18 Distribution in Invasive Cervical Cancer: An Evidence for Vaccination in Bihar, India. Journal of Pharmaceutical Research International. 2020:59-68.	Kumar R, Trivedi V, Chauhan R, Parwez A, Pal B, Murti K, Ravichandiran V, Ali M.	Research	Journal of Pharmaceutical Research International.	Nil
<u>2</u>	Singh S, Shukla R. Key Signaling Pathways Engaged in Cancer Management: Current Update. Current Cancer Therapy Reviews. 2020 Mar 1;16(1):36-48.	Singh S, Shukla R	Review	Current Cancer Therapy Reviews	Nil
<u>3</u>	Giri AE, Rao V, Singhal S, Gourishetti K, Biswas S, Nandakumar K, Chamllamudi MR, Dave J, Dave R, Sumalatha S, Kumar N. Evaluation of hepatoprotective effect of a polyherbal megakutki against paracetamol-induced hepatotoxicity. Indian Journal of Pharmaceutical Education and Research. 2020 Oct 1;54(4):1080-8.	Giri AE, Rao V, Singhal S, Gourishetti K, Biswas S, Nandakumar K, Chamllamudi MR, Dave J, Dave R, Sumalatha S, Kumar N.	Research	Indian Journal of Pharmaceutical Education and Research.	0.720
<u>4</u>	Singh S, Singh S. JAK-STAT inhibitors: Immersing therapeutic approach for management of rheumatoid arthritis. International Immunopharmacology. 2020 Sep 1;86:106731.	Singh S, Singh S.	Review	International Immunopharmacology.	4.931
<u>5</u>	Prasanna P, Upadhyay A. Heat shock proteins as the druggable targets in leishmaniasis: promises and perils. Infection and Immunity. 2020 Nov 2;89(2):e00559-20.	Prasanna P, Upadhyay A	Reviews	Infection and Immunity.	3.441
<u>6</u>	Singh S, Gautam U, Manvi FV. Protective Impact of Edaravone Against ZnO NPs-induced Oxidative Stress in the Human Neuroblastoma SH-SY5Y Cell Line. Cellular and Molecular Neurobiology. 2020 Nov 21:1-22	Singh S, Gautam U, Manvi FV	<u>Reviews</u>	Cellular and Molecular Neurobiology	5.046
<u>7</u>	Rajanala K, Kumar N, Chamallamudi MR. Modulation of Gut-Brain Axis by probiotics: A promising anti-depressant approach. Curr Neuropharmacol. 2021;19(7):990-1006. doi: 10.2174/1570159X19666201215142520.	Rajanala K, Kumar N, Chamallamudi MR.	<u>Reviews</u>	Current Neuropharmacology	7.363
<u>8</u>	Chunduru K, Sankhe R, Begum F, Sodum N, Kumar N, Kishore A, Shenoy RR, Rao CM, Saravu K. In silico Study to Evaluate the Antiviral Activity of Novel Structures against 3C-like Protease of Novel Coronavirus (COVID-19) and SARS-CoV. Med Chem. 2021;17(4):380-395. doi:	Chunduru K, Sankhe R, Begum F, Sodum N, Kumar N, Kishore A, Shenoy RR, Rao CM,	<u>Research</u>	Medicinal Chemistry	2.745

	10.2174/1573396316999200727125522.	Saravu K			
9	Kumar N, Shetty M, Shenoy S, Devi V, Amuthan A, Shenoy GK, Pavithra P. Kadukkai maathirai (a polyherbal traditional siddha formulation) prevents D-galactosamine induced hepatic necrosis in rats. Indian Journal of Traditional Knowledge (IJTK). 2020 Dec 28;19(4):708-13.	Kumar N , Shetty M, Shenoy S, Devi V, Amuthan A, Shenoy GK, Pavithra P.	Research	Indian Journal of Traditional Knowledge	0.757
10	KhanG N, Kumar N, Ballal A, Datta D, Belle, VS, Unveiling Antioxidant and Anticancer Potentials of Characterized Annona Reticulata Leaf Extract in 1,2-Dimethylhydrazine-Induced Colorectal Cancer in Wistar Rats. Journal of Ayurveda and integrative medicine, 2021	KhanG N, Kumar N , Ballal A, Datta D, Belle, VS,	Research	Journal of Ayurveda and integrative medicine	Nil
11	Dar MA, Chauhan R, Sharma KK, Trivedi Vinita, Dhingra S, Murti K Assessing the reliability and validity of comprehensive score for financial toxicity (COST) among radiation oncology patients in India: a cross-sectional pilot study ecancer. 2021; 15:1219.	Dar MA, Chauhan R, Sharma KK, Trivedi Vinita, Dhingra S , Murti K	Research	ecancer.	Nil
12	Moorkoth Prathyusha NS, Manandhar S, Xue Y, Sankhe R, Pai KSR, Kumar N, Antidepressant-like effect of dehydrozingerone from Zingiber officinale by elevating monoamines in brain: in silico and in vivo studies, Pharmacological Reports, 2021 Jun 28. doi: 10.1007/s43440-021-00252-0	Moorkoth Prathyusha NS, Manandhar S, Xue Y, Sankhe R, Pai KSR, Kumar N ,	Research	Pharmacological Reports	3.024
13	Jindal S, Kumar N, Shah AA, Shah A, Gourishetti K, Chamallamudi MR. Histone Deacetylase Inhibitors Prevented the Development of Morphine Tolerance by Decreasing IL6 Production and Upregulating μ -Opioid Receptors. CNS Neurol Disord Drug Targets. 2021;20(2):190-198. doi: 10.2174/1871527319999201113102852. PMID: 33191889.	Jindal S, Kumar N , Shah AA, Shah A, Gourishetti K, Chamallamudi MR.	Research	CNS & Neurological Disorders and Drug Targets	4.388
14	Sodum N, Kumar G, Rao V, Kumar N, Rao CM. Treatment approaches for COVID-19: A critical review. Mini Rev Med Chem. 2021; 21(13) 1747-1767. doi: 10.2174/1389557521666210224161950.	Sodum N, Kumar G, Rao V, Kumar N , Rao CM.	Reviews	Mini-Reviews in Medicinal Chemistry	3,862
15	Prasanna P, Upadhyay A. Flavonoid-Based Nanomedicines in Alzheimer's Disease Therapeutics: Promises Made, a Long Way To Go. ACS Pharmacology & Translational Science. 2021 Jan 27;4(1):74-95.	Prasanna P , Upadhyay A.	Reviews	ACS Pharmacology & Translational Science.	Nil
16	Das T, Ranjan A, Sieroń L, Maniukiewicz W, Das S. Direct Synthesis, Characterization and Theoretical Studies of N-(6-Amino-1, 3-dimethyl-2, 4-dioxo-1,	Das T , Ranjan A, Sieroń L, Maniukiewicz W, Das S.	Research	ChemistrySelect	2.109

	2, 3, 4-tetrahydropyrimidin-5-yl) benzamide Derivatives. ChemistrySelect. 2021 Jan 27;6(4):726-32.				
17	Singh S, Nagalakshmi D, Sharma KK, Ravichandiran V. Natural antioxidants for neuroinflammatory disorders and possible involvement of Nrf2 pathway: A review. Heliyon. 2021 Feb ; 1;7(2):e06216.	Singh S, Nagalakshmi D, Sharma KK, Ravichandiran V.	Review	Heliyon	Nil
18	Pandey RK, Dikhit MR, Lokhande KB, Pandey K, Das P, Bimal S. An immunoprophylactic evaluation of <i>Ld</i> -ODC derived HLA-A0201 restricted peptides against visceral leishmaniasis. J Biomol Struct Dyn. 2021 Feb 19:1-11. doi: 10.1080/07391102.2021.1876773.	Pandey RK, Dikhit MR, Lokhande KB, Pandey K, Das P, Bimal S.	Research	Jpurnal of Biomolecular structure and Dynamics	Nil
19	Sodum N, Kumar G, Bojja SL, Kumar N, Rao CM. Epigenetics in NAFLD/NASH: Targets and therapy. Pharmacological Research. 2021 Mar 24:105484.	Sodum N, Kumar G, Bojja SL, Kumar N, Rao CM.	Reviews	Pharmacological Research	7.658
20	Pavan G, Choudhary K, Ponnala Vr, Babu R, Veeri Rk, Chattu Vk, Murti K, Dhingra S, Ravichandiran V. COVID-19 impact on the mental health of Indian pharmacy students: An online survey. International Journal of Pharmaceutical Research. 2021 Apr;13(2).	Pavan G, Choudhary K, Ponnala Vr, Babu R, Veeri Rk, Chattu Vk, Murti K, Dhingra S, Ravichandiran V.	Research	International Journal of Pharmaceutical Research	Nil
21	Kaur RJ, Dutta S, Bhardwaj P, Charan J, Dhingra S, Mitra P, Singh K, Yadav D, Sharma P, Misra S. Adverse Events reported from Covid-19 vaccine trials: a systematic Review. Indian Journal of Clinical Biochemistry. 2021 Mar 27:1-3.	Kaur RJ, Dutta S, Bhardwaj P, Charan J, Dhingra S, Mitra P, Singh K, Yadav D, Sharma P, Misra S.	Review	Indian Journal of Clinical Biochemistry.	Nil
22	Rao V, Cheruku SP, Manandhar S, Vibhavari RJ, Nandakumar K, Rao CM, Ravichandiran V, Kumar N. Restoring chemo-sensitivity to temozolomide via targeted inhibition of poly (ADP-ribose) polymerase-1 by naringin in glioblastoma. Chemical Papers. 2021 May 28:1-1.	Rao V, Cheruku SP, Manandhar S, Vibhavari RJ, Nandakumar K, Rao CM, Ravichandiran V, Kumar N.	Research	Chemical Papers	2.097
23	Singh S, Dixit A, Ravichandiran V. MCP-1: Function, Regulation, and Involvement in Disease. International Immunopharmacology. 2021 May 20:107598.	Singh S, Dixit A, Ravichandiran V.	Reviews	International Immunopharmacology.	4.931
24	Dagar N, Das P, Bisht P, Taraphdar AK, Velayutham R, Arumugam S. Diabetic nephropathy: A twisted thread to unravel. Life Sciences. 2021 May 17:119635.	Dagar N, Das P, Bisht P, Taraphdar AK, Velayutham R, Arumugam S.	Review	Life Sciences	5.037
25	Yadav P, Yadav R, Jain S, Vaidya A. Caspase-3: A primary target for natural and synthetic compounds for cancer therapy. Chem Biol Drug Des. 2021 May	Yadav P, Yadav R, Jain S, Vaidya A	Research	Chemical Biology & Drug	2.817

	8. doi: 10.1111/cbdd.13860. Epub ahead of print. PMID: 33963665.			Design	
26	Nayak AG, Kumar N, Shenoy S, Roche M. Evaluation of the merit of the methanolic extract of <i>Andrographis paniculata</i> to supplement anti-snake venom in reversing secondary hemostatic abnormalities induced by <i>Naja naja</i> venom. <i>3 Biotech</i> . 2021 May;11(5):1-5.	Nayak AG, Kumar N , Shenoy S, Roche M.	Research	3 Biotech	2.406
27	Singh S, Agrwal P, Ravichandiran V. Two-pore-domain potassium channel in neurological disorders. <i>Journal of Membrane Biology</i> . 2021 June 17;4(2):1-13.	Singh S, Agrwal P, Ravichandiran V.	Review	Journal of Membrane Biology	1.843
28	Singh S, Agrwal P, Ravichandiran V. Immunological response of the respiratory tract in the SARS-CoV-2 infection. <i>Coronaviruses</i> . 2021 June 2;2:1-07.	Singh S, Agrwal P, Ravichandiran V	Review	Corona viruses	Nil
29	Rompicherla SK, Arumugam K, Bojja SL, Kumar N, Rao CM. Pharmacokinetic and pharmacodynamic evaluation of nasal liposome and nanoparticle based rivastigmine formulations in acute and chronic models of Alzheimer's disease. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> . 2021 Jun 4:1-9. https://doi.org/10.1007/s00210-021-02096-0	Rompicherla SK, Arumugam K, Bojja SL, Kumar N , Rao CM	Research	Naunyn-Schmiedeberg's Archives of Pharmacology.	3.000
30	Iskandar K, Molinier L, Hallit S, Sartelli M, Hardcastle TC, Haque M, Lugova H, Dhingra S, Sharma P, Islam S, Mohammed I. Surveillance of antimicrobial resistance in low-and middle-income countries: a scattered picture. <i>Antimicrobial Resistance & Infection Control</i> . 2021 Dec;10(1):1-9.	Iskandar K, Molinier L, Hallit S, Sartelli M, Hardcastle TC, Haque M, Lugova H, Dhingra S , Sharma P, Islam S, Mohammed I.	Reviews	Antimicrobial Resistance & Infection Control.	4.887
31	Keni R, Sekhar A, Gourishetti K, Nayak PG, Kinra M, Kumar N , Shenoy RR, Kishore A, Nandakumar K. Role of Statins in New-onset Diabetes Mellitus: The Underlying Cause, Mechanisms Involved, and Strategies to Combat. Current Drug Targets . 2021 Jan 20.	Keni R, Sekhar A, Gourishetti K, Nayak PG, Kinra M, Kumar N , Shenoy RR, Kishore A, Nandakumar K.	Reviews	Current Drug Targets	3.465
32	Bandyopadhyay I, Dave S, Rai A, Nampoothiri M, Rao CM, Kumar N . Oral semaglutide in the management of type 2 DM: Clinical status and comparative analysis, <i>Current Drug Targets</i> , 2021 (In Press)	Bandyopadhyay I, Dave S, Rai A, Nampoothiri M, Rao CM, Kumar N .	Reviews	Current Drug Targets	3.465
33	Nayak S, Prasad SR, Mandal D, Das P. Carbon dot cross-linked polyvinylpyrrolidone hybrid hydrogel for simultaneous dye adsorption, photodegradation and bacterial elimination from waste water. <i>Journal of hazardous materials</i> . 2020 Jun	Nayak S, Prasad SR, Mandal D , Das P	Research	Journal of hazardous materials	10.588

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34	Nayak S, Prasad SR, Mandal D, Das P. Hybrid DNA–Carbon Dot–Poly (vinylpyrrolidone) Hydrogel with Self-Healing and Shape Memory Properties for Simultaneous Trackable Drug Delivery and Visible-Light-Induced Antimicrobial Photodynamic Inactivation. ACS Applied Bio Materials. 2020 Oct 22;3(11):7865-75.	Nayak S, Prasad SR, Mandal D , Das P.	Research	ACS Applied Bio Materials.	Nil
35	Pragya Prasanna, Prakash Kumar , Saurabh Kumar, Vinod Kumar Rajana, Vishnu Kant, Surendra Rajit Prasad, Utpal Mohan, V. Ravichandiran, Debabrata Mandal , Debabrata Mandal. Current status of nanoscale drug delivery and the future of nano-vaccine development for leishmaniasis – A review. Biomedicine and Pharmacotherapy. 2021	Pragya Prasanna, Prakash Kumar , Saurabh Kumar, Vinod Kumar Rajana, Vishnu Kant, Surendra Rajit Prasad, Utpal Mohan, V. Ravichandiran, Debabrata Mandal	Review	Biomedicine and Pharmacotherapy	6.529
36	Ghosh S, Hazra J, Pal K, Nelson VK, Pal M. Prostate cancer: Therapeutic prospect with herbal medicine. Current Research in Pharmacology and Drug Discovery. 2021 Jan 1;2:100034.	Ghosh S, Hazra J, Pal K, Nelson VK , Pal M.	Review	Current Research in Pharmacology and Drug Discovery	Nil
37	Pullaiah CP, Nelson VK, Rayapu S, GV NK, Kedam T. Exploring cardioprotective potential of esculetin against isoproterenol induced myocardial toxicity in rats: in vivo and in vitro evidence. BMC Pharmacology and Toxicology. 2021 Dec;22(1):1-1.	Pullaiah CP, Nelson VK, Rayapu S, GV NK, Kedam T.	Research	BMC Pharmacology and Toxicology	2.483
38	Jahan D, Peile E, Sheikh MA, Islam S, Parasnath S, Sharma P, Iskandar K, Dhingra S, Charan J, Hardcastle TC, Samad N. Is it time to reconsider prophylactic antimicrobial use for hematopoietic stem cell transplantation? a narrative review of antimicrobials in stem cell transplantation. Expert Review of Anti-infective Therapy. 2021:12:1-22.	Jahan D, Peile E, Sheikh MA, Islam S, Parasnath S, Sharma P, Iskandar K, Dhingra S, Charan J, Hardcastle TC, Samad N	Review	Expert Review of Anti-infective Therapy.	4.04

Book Chapters:

1. Ahmad J, Amin S, Singh S, Mustafa G, Barkat MA. Self-Nanoemulsifying Drug Delivery System for Improving Efficacy of Bioactive Phytochemicals. In Nanophytomedicine 2020 (pp. 71-87). Springer, Singapore.

2. Munindra Ruwali, Keshav Moharir, Sanjiv Singh, Punita Aggarwal and Manash K. Paul (April 26th 2021). Updates in Pharmacogenetics of Non-Small Cell Lung Cancer [Online First], IntechOpen, DOI: 10.5772/intechopen.97498. Available from: <https://www.intechopen.com/online-first/updates-in-pharmacogenetics-of-non-small-cell-lung-cancer>

List of Patent Filed

Indian Patent

1. Sanjiv Singh, V Ravichandiran (2020) "Device for blood withdrawal from saphenous vein of mice for pharmacological research experiments" Indian Patent Application, Date of filing: 27/11/2020, Application no.: 202031051834.
2. Sanjiv Singh, V Ravichandiran (2021) "Aroma inhalation apparatus for small animals to be used in pharmacological evaluation of aromatic substances" Indian Patent Application, Date of filing: 26/04/2021. Application no.: 202131019201.
3. Nitesh Kumar, Santanu Singh, Akanksha Singh, Bullet Kumar Gupta, (2021) "A semi-automatic device for rodent marking and weighing in the laboratory with less manual interaction". **Application Number:** 202131025591. published online today (09/07/2021)

Australian Patent

4. Siddiqui, Mohd. Haris; Mahmood, Tarique; Tiwari, Reshu; Kumar, Nitesh; Chaturvedi, Ashwani Kumar; Kumar, Amrish. A POLYHERBAL FAST DISSOLVING TABLET AGAINST DIABETIC NEUROPATHY" Application Number: 2021103793. Date of filing- 1-07-2021