

S.No.	Name and Dept. (Student/ Faculty)	Title	Journal	Publisher	Impact Factor	DOI
1.	Shanu K. Rakesh Department of Computer Science and Engineering	Performance Analysis of Fault Tolerance Algorithm for Pattern Formation of Swarm Agents	Knowledge-Based Systems	Elsevier	8.8	https://doi.org/10.1016/j.kn osys.2021.108020
2.	Robin Kumar Dept. of Physics	Room temperature carbon monoxide gas sensor using Cu doped OMS-2 nanofibers	Sensors and Actuators B: Chemical	Elsevier	8.4	https://doi.org/10.1016/j.sn b.2018.03.182
3.	Deepshikha Verma and Ravi Verma <i>Dept. of Chemistry</i>	Synthesis and characterization of cobalt nanocomposite using aniline- formaldehyde resin	Composites Communications	Elsevier	8.0	https://doi.org/10.1016/j.co co.2020.01.005
4.	Satyendra Pratap Singh Dept. of Life Science (Microbiology)	Bacterial endophytes modulates the withanolide biosynthetic pathway and physiological performance in Withania somnifera under biotic stress	Microbiological Research	Elsevier	6.7	https://doi.org/10.1016/j.mi cres.2018.04.006
5.	Ankita Mathur <i>Dept. of Life Science</i>	Cyclodextrin-based dermatological formulations: Dermopharmaceutical and cosmetic applications	Colloids and Surfaces B: Biointerfaces	Elsevier	5.8	https://doi.org/10.1016/j.co lsurfb.2022.113012
6.	Aliyu Ahmad Mahmud Faculty of Agriculture and Veterinary Sciences	Recent advances in the chemistry of nitrogen, phosphorus and potassium as fertilizers in soil: A review	Pedosphere	Elsevier	5.7	https://doi.org/10.1016/j.pe dsph.2022.07.012
7.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Microbial Fabrication of Zinc Oxide Nanoparticles and Evaluation of Their Antimicrobial and Photocatalytic Properties	Frontiers in Chemistry	Frontiers	5.5	https://doi.org/10.3389/fche m.2020.00778



8.	Manvandra K Singh Dept. of Mechanical Engineering	Mechanical properties and corrosion behavior of copper based hybrid	Results in Physics	Elsevier	5.3	https://doi.org/10.1016/j.ri np.2019.102319
9.	Bharti and Gulzar Ahmad Dept. of Physics	DFT computation of quantum capacitance of pure and doped niobium nitrides for supercapacitor applications	Ceramics International	Elsevier	5.2	https://doi.org/10.1016/j.ce ramint.2021.03.237
10.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Root Exudates: Mechanistic Insight of Plant Growth Promoting Rhizobacteria for Sustainable Crop Production	Frontiers in Microbiology	Frontiers	5.2	https://doi.org/10.3389/fmi cb.2022.916488
11.	Arpana Sharma <i>Dept. of Life Science</i>	Inorganic nanoparticles in dermopharmaceutical and cosmetic products: Properties, formulation development, toxicity, and regulatory issues	European Journal of Pharmaceutics and Biopharmaceutics	Elsevier	4.9	https://doi.org/10.1016/j.ej pb.2023.09.011
12.	B.L. Yadav Dept. of Life Science (Botany)	Discovery of a new species of Adder's tongue fern from India with comparative analysis of morphological and molecular attributes	Scientific Reports	Nature Portfolio	4.6	https://doi.org/10.1038/s41 598-021-03231-w
13.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Zinc tolerant plant growth promoting bacteria alleviates phytotoxic effects of zinc on maize through zinc immobilization	Scientific Reports	Nature Portfolio	4.6	https://doi.org/10.1038/s41 598-020-70846-w
14.	Chanchal Singh Dept. of Life Science (Microbiology)	Promising Roles of Alternative Medicine and Plant-Based Nanotechnology as Remedies for Urinary Tract Infections	Molecules	MDPI	4.6	https://doi.org/10.3390/mol ecules25235593
15.	Md. Ashid Nasir Hussain Dept. of Chemistry	In silico identification of ethoxy phthalimide pyrazole derivatives as IL- 17A and IL-18 targeted gouty arthritis agents	Journal of Biomolecular Structure and Dynamics	Taylor & Francis	4.4	https://doi.org/10.1080/073 91102.2022.2071338



16.	Abhishek Kumar Verma and Md. Ashid Dept. of Life Science/Chemistry	Synthesis, antiviral activity, molecular docking, and molecular dynamics studies of ethoxy phthalimide pyrazole derivatives against Cytomegalovirus and Varicella-Zoster virus: potential consequences and strategies for developing new antiviral treatments	Journal of Biomolecular Structure and Dynamics	Taylor & Francis	4.4	https://doi.org/10.1080/073 91102.2023.2279278
17.	Abhishek Kumar Verma and Ali Asger Bhojiya Dept. of Life Science/ Faculty of Agriculture and Veterinary Sciences	Molecular docking and simulation studies of flavonoid compounds against PBP-2a of methicillin-resistant Staphylococcus aureus	Journal of Biomolecular Structure and Dynamics	Taylor & Francis	4.4	https://doi.org/10.1080/073 91102.2021.1944911
18.	Abhishek Kumar Verma and Ali Asger Bhojiya Dept. of Life Science/ Faculty of Agriculture and Veterinary Sciences	Unlocking SGK1 inhibitor potential of bis-[1-N,7-N, pyrazolo tetraethoxyphthalimidof-4-(3,5- Dimethyl-4-(spiro-3-methylpyazolo)-1,7- dihydro- 1H-dipyrazolo[3,4-b;4',3'- e]pyridin-8-yl)g]p-disubstituted phenyl compounds: a computational study	Journal of Biomolecular Structure and Dynamics	Taylor & Francis	4.4	https://doi.org/10.1080/073 91102.2021.1988711
19.	Satyendra Pratap Singh Dept. of Life Science (Microbiology)	Endophyte-Mediated Modulation of Defense-Related Genes and Systemic Resistance in Withania somnifera (L.) Dunal under Alternaria alternata Stress	Applied and Environmental Microbiology	American Society for Microbiology	4.4	https://doi.org/10.1128/AE M.02845-17.
20.	Aliyu Ahmad Mahmud Faculty of Agriculture and Veterinary Sciences	Biofertilizers: A Nexus between soil fertility and crop productivity under abiotic stress	Current Research in Environmental Sustainability	Elsevier	4.4	https://doi.org/10.1016/j.cr sust.2021.100063



21.	Purnima Kumar Dept. of Life Science (Biotechnology)	Influenza A virus neuraminidase protein interacts with Hsp90, to stabilize itself and enhance cell survival	J Cell Biochem.	Wiley Periodicals, Inc.	4.0	https://doi.org/10.1002/jcb. 27935
22.	Giriraj Taylor Dept. of Chemistry	An overview of biosynthesized metal nanoparticles via medicinal plant extracts of the Moraceae family	Biocatalysis and Agricultural Biotechnology	Elsevier	4.0	https://doi.org/10.1016/j.bc ab.2023.102812
23.	Giriraj Taylor <i>Dept. of Chemistry</i>	Green route synthesis of metallic nanoparticles using various herbal extracts: A review	Biocatalysis and Agricultural Biotechnology	Elsevier	4.0	https://doi.org/10.1016/j.bc ab.2023.102692
24.	B.L. Yadav and Oshon Michael Dept. of Life Science (Botany)/ Chemistry	Synthesis and biological function of Nickel and Copper nanoparticles	Heliyon	Elsevier	4.0	https://doi.org/10.1016/j.he liyon.2019.e01878
25.	Auwal Alhassan Musa Dept. of Civil Engineering	Sustainable Traffic Management for Smart Cities Using Internet-of-Things- Oriented Intelligent Transportation Systems (ITS): Challenges and Recommendations	Sustainability	MDPI	3.9	https://doi.org/10.3390/su1 5139859
26.	Sreehari Parasuboyinad <i>Dept. of Chemistry</i>	Synthesis of Zr-MOF/rGO- nanocomposites used for spirooxindole scaffolds derivatives	Journal of Molecular Structure	Elsevier	3.8	https://doi.org/10.1016/j.m olstruc.2023.135653
27.	Promila Sharma Dept. of Computer Science	An improved blockchain based encryption scheme for secure routing in wireless sensor network using machine learning technique	Trans Emerging Tel Tech.	John Wiley & Sons, Ltd.	3.6	https://doi.org/10.1002/ett. 4713
28.	Megha Verma Dept. of Management and Commerce	Socio-demographic, shopping self- concept, and shopping-context related moderators of customer experience	The International Review of Retail, Distribution and Consumer Research	Routledge (Taylor & Francis Group)	3.6	https://doi.org/10.1080/095 93969.2022.2070859



29.	Usman Rabiu Bello Dept. of Life Science (Biotechnology)	Prospects and Challenges of Developing Plant-Derived Snake Antivenin Natural Products: A Focus on West Africa	ChemMedChem	Wiley-VCH GmbH	3.4	doi.org/10.1002/cmdc.2021 00478
30.	Bharti and Gulzar Ahmad Dept. of Physics	Determination of Quantum Capacitance of Niobium Nitrides Nb <sub>2</sub> N and Nb <sub>4</sub> N <sub>3</sub> for Supercapacitor Applications	Journal of Composite Science	MDPI	3.3	https://doi.org/10.3390/jcs5 030085
31.	Bharti and Gulzar Ahmad <i>Dept. of Physics</i>	Theories and models of supercapacitors with recent advancements: impact and interpretations	Nano Express	IOP	3.0	https://doi.org/10.1088/263 2-959X/abf8c2
32.	Auwal Alhassan Musa Dept. of Civil Engineering	Developing soft-computing regression model for predicting soil bearing capacity using soil index properties	Modeling Earth Systems and Environment	Springer Nature	3.0	https://doi.org/10.1007/s40 808-022-01541-0
33.	A.A. Musa Dept. of Civil Engineering	Implementation of soft-computing models for prediction of flexural strength of pervious concrete hybridized with rice husk ash and calcium carbide waste	Modeling Earth Systems and Environment	Springer Nature	3.0	https://doi.org/10.1007/s40 808-021-01195-4
34.	Megha Verma Dept. of Management and Commerce	Low-literate versus literate customer experience: Dimensions, consequences and moderators	International Journal of Market Research	SAGE	3.0	https://doi.org/10.1177/147 07853211007785
35.	Pijush Dutta Dept. of Electronics and Communication Engineering	Modeling and Optimization of a Liquid Flow Process using an Artificial Neural Network-Based Flower Pollination Algorithm	J. Intell. Syst.	DE GRUYTER	3.0	https://doi.org/10.1515/jisy s-2018-0206
36.	Anant D. Kulkarni Centre for Scientific Computing	Molecular Hydration of Carbonic Acid: Ab Initio Quantum Chemical and Density Functional Theory Investigation	J. Phys. Chem.	ACS	2.9	https://doi.org/10.1021/acs. jpca.9b01122



37.	Ratna Prabha Dept. of Life Science (Biotechnology)	Cyanobacterial phylogenetic analysis based on phylogenomics approaches render evolutionary diversification and adaptation: an overview of representative orders	3 Biotech	Springer Nature	2.8	https://doi.org/10.1007/s13 205-019-1635-6
38.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Zinc biosorption, biochemical and molecular characterization of plant growth-promoting zinc-tolerant bacteria	3 Biotech	Springer Nature	2.8	https://doi.org/10.1007/s13 205-019-1959-2
39.	Ruchi Sharma and Kritika Sharma Dept. of Life Science (Micro./Biotech.)	16S rRNA gene profiling of rhizospheric microbial community of Eichhornia crassipes	Molecular Biology Reports	Springer Nature	2.8	https://doi.org/10.1007/s11 033-021-06413-x
40.	Pankaj Kumar Kumawat <i>Dept. of Life Science</i>	Isolation and characterization of anaerobic bacteria with fiber degradation potential from faeces of Boselaphus tragocamelus grazing on semi arid Indian conditions	Archives of Microbiology	Springer Nature	2.8	https://doi.org/10.1007/s00 203-021-02477-2
41.	Giriraj Tailor B.L. Yadav Dept. of Chem. /Life Science (Botany)	Green synthesis of silver nanoparticles using Ocimum canum and their anti- bacterial activity	Biochemistry and Biophysics Reports	Elsevier	2.7	https://doi.org/10.1016/j.bb rep.2020.100848
42.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Screening and Optimization of Zinc Removal Potential in Pseudomonas aeruginosa-HMR1 and its Plant Growth-Promoting Attributes	Bulletin of Environmental Contamination and Toxicology	Springer Nature	2.7	https://doi.org/10.1007/s00 128-021-03232-5
43.	Ruchi Sharma and Kritika Sharma Dept. of Life Science (Micro./Biotech.)	Impact of seasonal variation on water quality of Hindon River: physicochemical and biological analysis	SN Applied Science	Springer Nature	2.6	https://doi.org/10.1007/s42 452-020-03986-3



44.	Somarouthu Venkata Saibaba <i>Dept. of Pharmacy</i>	A novel and rapid LC-MS/MS assay method for the determination of canagliflozin in human plasma by solid phase extraction technique and its application to a pharmacokinetic study	Future Journal of Pharmaceutical Sciences	Elsevier	2.6	https://doi.org/10.1016/j.fj ps.2017.12.003
45.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Polyphasic Characterization of Plant Growth Promoting Cellulose Degrading Bacteria Isolated from Organic Manures	Current Microbiology	Springer Nature	2.6	https://doi.org/10.1007/s00 284-020-02342-3
46.	P. Kumar Dept. of Life Science (Biotechnology)	AML1 protein interacts with influenza A virus neuraminidase and upregulates IFN-b response in infected mammalian cells	Letters in Applied Microbiology	The Society for Applied Microbiology	2.4	https://doi.org/10.1111/lam .13279
47.	Manidhar Syam Kumar Buddha <i>Dept. of Chemistry</i>	In silico toxicity assessment and trace level quantification of two genotoxic impurities in silodosin using capillary gas chromatography	Journal of Analytical Science and Technology	Springer Open	2.4	https://doi.org/10.1186/s40 543-023-00378-1
48.	Giriraj Taylor Dept. of Chemistry	A Review on Green Route Synthesized Nickel Nanoparticles: Biological and Photo-catalytic Applications	Results in Chemistry	Elsevier	2.3	https://doi.org/10.1016/j.re chem.2023.101195
49.	Sundar Srinivasan and Muazzam Mohammad <i>Dept. of ECE</i>	Semi-supervised machine learning for primary user emulation attack detection and prevention through core-based analytics for cognitive radio networks	International Journal of Distributed Sensor Networks	SAGE	2.3	https://doi.org/10.1177/155 0147719860365
50.	Chhama Pandey and Gulzar Ahmed Dept. of Physics	Ab initio study of anisotropic properties in isomorphic TiX <sub>2</sub> (X = S, Se, Te)	Int J Quantum Chem.	Wiley Periodicals LLC	2.2	https://doi.org/10.1002/qua .26575
51.	H. Joshi Dept. of Physics	Jeans radiative instability with FLR correction in astrophysical quantum plasma	Physics of Plasmas	AIP Publishing	2.2	https://doi.org/10.1063/1.50 03702



52.	Sachin Saini Dept. of Chemistry	Synthesis and Anticonvulsant Studies of Thiazolidinone and Azetidinone Derivatives from Indole Moiety	Drug Research	Thieme	2.2	https://doi.org/10.1055/a- 0809-5098
53.	Ashish Bhatt Dept. of Chemistry	A one-step synthesis of substituted benzo- and pyridine-fused 1H- imidazoles	Synthetic Communications	Taylor & Francis	2.1	https://doi.org/10.1080/003 97911.2021.2001658
54.	Koteshwar Rao Rama, and Chekrapani Kesari <i>Dept. of Chemistry</i>	Synthesis of novel fluorophenylpyrazole- picolinamide derivatives and determination of their anticancer activity	Synthetic Communications	Taylor & Francis	2.1	https://doi.org/10.1080/003 97911.2020.1791341
55.	Chekrapani Kesari and Koteshwar Rao Rama Dept. of Chemistry	Synthesis of thiazole linked chalcones and their pyrimidine analogues as anticancer agents	Synthetic Communications	Taylor & Francis	2.1	https://doi.org/10.1080/003 97911.2021.1884262
56.	Ashish Bhatt, Ravi Kant, Rajesh K. Singh Dept. of Chemistry/ Pharmacy	Trichloroisocyanuric acid mediated one- pot synthesis of 3,5-diarylisoxazoles from a,b-unsaturated ketones	Synthetic Communications	Taylor & Francis	2.1	https://doi.org/10.1080/003 97911.2019.1590848
57.	Ashish Bhatt, Ravi Kant, Rajesh K. Singh Dept. of Chemistry/ Pharmacy	A convenient one-pot synthesis of N- fused 1,2,4-triazoles via oxidative cyclization using chromium (VI) oxide	Synthetic Communications	Taylor & Francis	2.1	https://doi.org/10.1080/003 97911.2018.1529795
58.	Ashish Bhatt, Ravi Kant, Rajesh K. Singh Dept. of Chemistry/ Pharmacy	A convenient one-pot synthesis of 3,5- diarylisoxazoles via oxidative cyclisation using catalytic CuBr <sub>2</sub> and oxone	Tetrahedron Letters	Elsevier	1.8	https://doi.org/10.1016/j.tet let.2019.03.044



59.	Ashish Bhatt, Ravi Kant, Bhupendra K. Sarma, Rajesh K. Singh Dept. of Chemistry/ Pharmacy	Trichloroisocyanuric acid-mediated synthesis of 1,5-fused 1,2,4-triazoles from N-heteroaryl benzamidines via intramolecular oxidative N–N bond formation	Tetrahedron Letters	Elsevier	1.8	https://doi.org/10.1016/j.tet let.2019.151026
60.	Gayatri Mallick Dept. of Management and Commerce (Economics)	Trend of Malaria Incidences and its Association with Rainfall in Kalahandi District of Odisha, India	Indian J Public Health	Wolters Kluwer- Medknow	1.7	https://doi.org/10.4103/ijph .ijph_916_22
61.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Effect of microbial consortia on growth and yield of wheat under typic haplustepts	Plant Physiology Reports	Springer Nature	1.7	https://doi.org/10.1007/s40 502-021-00607-y
62.	Sunil Singh Dept. of Pharmacy	First Total Synthesis and Pharmacological Potential of a Plant Based Hexacyclopeptide	Iranian Journal of Pharmaceutical Research	Brief lands	1.6	https://doi.org/10.22037/ijp r.2019.1100643
63.	Hyder Mir <i>Dept. of Life Science</i> (Biotechnology)	A case-control study of tumor necrosis factor-alpha promoter polymorphism and its serum levels in patients with chronic obstructive pulmonary disease in Kashmir, North India	Lung India	Wolters Kluwer- Medknow	1.6	https://doi.org/10.4103/lun gindia.lungindia_477_19
64.	Akanksha Upadhyay <i>Dept. of Life Science</i>	Bacillus subtilis and B. licheniformis Isolated from Heterorhabditis indica Infected Apple Root Borer (Dorysthenes huegelii) Suppresses Nematode Production in Galleria mellonella	Acta Parasitologica	Springer Nature	1.5	https://doi.org/10.1007/s11 686-021-00366-8



65.	Kritika Sharma and Ruchi Sharma Dept. of Life Science (Biotechnology/ Microbiology)	Exploring integrated methodology for phytoremediation and biofuel production potential of <i>Eichhornia</i> <i>crassipes</i>	Indian Journal of Biochemistry & Biophysics	CSIR- NIScPR	1.4	https://doi.org/10.56042/ijb b.v59i3.50416
66.	Meenakshi Sharma and Manish Zadoo Dept. of Electronic and Communication Engineering	Design and Development of Low-Profile Multi-Band Antenna Fed by SIW Cavity Resonator Using Twin Apertures	Frequenz	DE GRUYTER	1.1	https://doi.org/10.1515/freq -2018-0250
67.	D. L. Sutar Dept. of Physics	Influence of electron inertia on gravitational instability of viscous partially ionized radiative quantum plasma	Radiation Effects & Defects in Solids	Taylor & Francis	1.0	https://doi.org/10.1080/104 20150.2020.1785465
68.	G. Ahmed Dept. of Physics	Influence of FLR correction on Jeans instability in rotating radiative QMHD fluid model	Radiation Effects & Defects in Solids	Taylor & Francis	1.0	https://doi.org/10.1080/104 20150.2021.1885035
69.	D. L. Sutar and G. Ahmed Dept. of Physics	Involvement of the quantum radiative effect on Jeans instability with electrical resistance and Hall current	Radiation Effects & Defects in Solids	Taylor & Francis	1.0	https://doi.org/10.1080/104 20150.2020.1817022
70.	Rizuana Sultana and Ravinder Reddy Tippanna Dept. of Chemistry	Chromene, Quinoline Hybrids as Potential Anti-Cancer Agents: A Novel and Distinct Approach for the Synthesis of Quinoline Derivatives	Letters in Organic Chemistry	Bentham Science	1.0	https://doi.org/10.2174/157 0178617666200122095829
71.	Ali Asger Bhojiya Faculty of Agriculture and Veterinary Sciences	Microbiological and enzymatic properties of diverse Jaivik Krishi inputs used in organic farming	Indian Journal of Traditional Knowledge	CSIR- NIScPR	0.8	https://doi.org/10.56042/ijt k.v20i1.26500



72.	Bharti and Gulzar Ahmad <i>Dept. of Physics</i>	Physical properties of heteroatom doped graphene monolayers in relation to supercapacitive performance	Indian Journal of Pure & Applied Physics	CSIR- NIScPR	0.7	https://doi.org/10.56042/ijp ap.v58i12.36176
73.	Yatha Ravi and Bigala Rajkamal <i>Dept. of Pharmacy</i>	Development of Fast and Simple LC- ESI-MS/MS Technique for the Quan- tification of Regorafenib; Application to Pharmacokinetics in Healthy Rabbits	Current Pharmaceutical Analysis	Bentham Science	0.6	https://doi.org/10.2174/157 34129166666191111144707
74.	Osahon Michael, Giriraj Tailor and Pankaj Teli <i>Dept. of Chemistry/</i> <i>Biotechnology</i>	Construction, characterization and antibacterial activity of pyrazolone, thiohydantoin and their derivatives	Indian Journal of Chemistry	CSIR- NIScPR	0.5	https://doi.org/10.56042/ijc .v61i12.69452