

Student's Achievements-

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category- institution/teacher/research scholar/student
National level of Student Research convention "Anveshan-2020" in the field of Basic Sciences	Vidya Rani Singh	Association of Indian Universities	2020	Student
Poster Competition	Yachika Deshmukh and Sakshi Sahu	National Conference on advances in Chemical engineering and Science (ACES-2019)	2019	Student
Poster Competition	Deeksha Sori and Neha Meshran	UGC-SAP(DRS-II) , NCAECS, PRSU	2019	Student
Poster Competition	Surbhi Verma and Kusum Ratre	UGC-SAP(DRS-II), NCAECS, PRSU	2019	Student
Poster Competition	Kamran Ansari	National Space Science Symposium, NSSS-2019, Pune University	2019	Student
Poster Competition	Ashish Dubey, Kamran Ansari, Hritam Chakraborty, Manish Uike and Vaibhavi Sahu	National Conference for Signal Processing, Sustainable energy material, Astronomy and Astrophysics (NSSEMA-2017), PRSU	2017	Student
Carbon Lab Internship 2021 (In Health Care)	Sanu Awasthi	Indian Institute of Technology, Hyderabad	2021	Student

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years (15)

3.4.5.1: Number of research papers in the Journals notified on UGC website during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number
Degradation of Organophosphate Pesticides Using Pyridinium Based Functional Surfactants.	R. Sharma, Bhanushree Gupta, T. Yadav, S. Sinha, A. K. Sahu, Y. Karpichev, N. Gathergood J. Marek, K. Kuca, K. K. Ghosh	Center for Basic Sciences	ACS Sustainable Chemical Engineering	2016	2168-0485	http://doi.org/10.1021/acssuschemeng.6b01878
Oxime Mediated In-Vitro Reactivation Kinetic Analysis of Organophosphates-Inhibited Human and Electric Eel Acetylcholinesterase	A. K. Sahu, R. Sharma, Bhanushree Gupta, K. Musilek, K. Kuca, J. R. Acharya and K. K Ghosh	Center for Basic Sciences	Toxicology Mechanisms and Methods	2016	1537-6516 (print) 1537-6524 (web)	https://doi.org/10.3109/15376516.2016.1143070

Synthesis and in-vitro reactivation screening of imidazolium aldoximes as reactivators of sarin and VX-inhibited human acetylcholinesterase (hAChE)	R. Sharma, Bhanushree Gupta, A. K. Sahu, J. Acharya, M. L. Satnami and K. K. Ghosh	Center for Basic Sciences	Chemico-Biological Interactions	2016	0009-2797 (print) 1872-7786 (web)	https://doi.org/10.1016/j.cbi.2016.04.034
Metallosurfactant Aggregates as Catalysts for the Hydrolytic Cleavage of Carboxylate and Phosphate Esters	K. K. Ghosh, Bhanushree Gupta and S. Bhattacharya	Center for Basic Sciences	Current Organocatalysis	2016	2213-3380	10.2174/2213337202666150713174927
Facile and visual detection of acetylcholinesterase inhibitors by carbon quantum dots	Reshma, Bhanushree Gupta, Rahul Sharma, K. K. Ghosh	Center for Basic Sciences	New Journal of Chemistry	2019	1144-0546	https://doi.org/10.1039/C9NJ02347J
Glycosylated-imidazole aldoximes as reactivators of pesticides inhibited AChE: Synthesis and in-vitro reactivation study	R. Sharma, K. Upadhyay, Bhanushree Gupta, K. K. Ghosh, Rama P. Tripathi, K. Musilek, K. Kuca	Center for Basic Sciences	Environmental Toxicology and Pharmacology	2020	1382-6689	https://doi.org/10.1016/j.etap.2020.103454

Severe Acute Respiratory Syndrome Coronavirus -2 (SARS-CoV-2): A Review on Pathophysiology, Diagnosis and Investigational Therapeutics	R. Sharma, D. Khokhar, Bhanushree Gupta, P. Saxena, K. K. Ghosh, A. K. Geda, K. Kuca	Center for Basic Sciences	Current Medicinal Chemistry	2021	ISSN: 1875-533X (Online)/ISSN: 0929-8673 (Print)	To be issued
Alkamides: Multifunctional Bioactive Agents in Spilanthes spp.	Veenu Joshi, G.D. Sharma and S.K. Jadhav	Center for Basic Sciences	Journal of Scientific Research	2020	2315-7712	https://doi.org/10.37398/JSR.2020.640129
Recent advances in lipid-based nanodrug delivery systems in cancer therapy	B. Layek, B. Gidwani, S. Tiwari, Veenu Joshi, V. Jain and A. Vyas	Center for Basic Sciences	Current Pharmaceutical Design	2020	ISSN: 1873-4286 (Online) ISSN: 1381-6128 (Print)/ISSN: 1873-4286 (Online)	https://doi.org/10.2174/1381612826666200622133407
Intranasal lipid particulate drug delivery systems: An update on clinical challenges and biodistribution studies of cerebroactive drugs in alzheimer's disease.	D. Arora, S. Bhatt, M. Kumar, C. Gali, H.D.C.Vattikonda, Y. Taneja, V. Jain and Veenu Joshi	Center for Basic Sciences	Current Pharmaceutical Design	2020	ISSN: 1873-4286 (Online) ISSN: 1381-6128 (Print)/ISSN: 1873-4286 (Online)	https://doi.org/10.2174/1381612826666200331085854

Quantum dots: Prospectives, toxicity, advances and applications	B. Gidwani, V. Sahu, S.S. Shukla, R. Pandey, Veenu Joshi, V.K. Jain, A. Vyas	Center for Basic Sciences	Journal of Drug Delivery Science and Technology	2021	1773-2247	https://doi.org/10.1016/j.jddst.2020.102308
Manju Kapur and Jhumpa Lahiri: Indian Vs. Immigrant Experiences	Smita Sharma	Center for Basic Sciences	International Journal of English Language, Literature and Humanities	2016	2321-7065	www.ijellh.com
eaxys`k Mcjky dh dforkvkSa esa ;FkkFkZ vkSj laosnuk	MkW- fxjtk `kadj xkSre]jkes`ojh nkl	Center for Basic Sciences	Research Journal of Social and Life Sciences	2018	ISBN-0093-3914	http://www.researchjournal.in/rj-social-life-sciences.php
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3.4.6.1: Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Bhanushree Gupta	Nutraceuticals, Efficacy, Safety and Toxicity/Thymoquinone		International	2016	978-0-12-802147-7	Center for Basic Sciences, Pt. R.S.U. Raipur	Elsevier
2	Bhanushree Gupta	Nutraceuticals in Veterinary Medicine/Plant and Food Derived Immunomodulators as Nutraceuticals for Performance Enhancing Activities		International	2018	ISSN: 978-3-030-046; ISBN: 978-3-030-046.	Center for Basic Sciences, Pt. R.S.U. Raipur	Nature Springer
3	Bhanushree Gupta	Nutraceuticals in Veterinary Medicine/Nutraceuticals for Antiaging		International	2018	ISSN: 978-3-030-046; ISBN: 978-3-030-046.	Center for Basic Sciences, Pt. R.S.U. Raipur	Nature Springer
4	Bhanushree Gupta	Nutraceuticals in Veterinary Medicine/Nigella sativa		International	2018	ISSN: 978-3-030-046; ISBN: 978-3-030-046.	Center for Basic Sciences, Pt. R.S.U. Raipur	Nature Springer
5	Bhanushree Gupta	Nutraceuticals, Efficacy, Safety and Toxicity	Thymoquinone	International	2021	978-0-12-821038-3	Center for Basic Sciences, Pt. R.S.U. Raipur	Elsevier
6	Veenu Joshi	Biocontrol Agents and Secondary Metabolites/Pathogenesis-related proteins: Role in plant defense.		International	2021	9.78013E+12	Center for Basic Sciences, Pt. R.S.U. Raipur	Elsevier

7	Veenu Joshi	Evidence Based Validation of Traditional Medicines/Importance of chromatography techniques in phytomedicine research		International	2021	978-981-15-8127-4	Center for Basic Sciences, Pt. R.S.U. Raipur	Springer Singapore
8	Veenu Joshi	Evidence Based Validation of Traditional Medicines/Standardization and quality evaluation of botanicals with special reference to marker components		International	2021	978-981-15-8127-4	Center for Basic Sciences, Pt. R.S.U. Raipur	Springer Singapore
9	Smita Sharma	The fictional world of Manju Kapur and Jhumpa Lahiri		National	2016	987-81-927266-2-5	Pt. R.S.U. Raipur	Eastern Wind Publishers, Nagpur