Dr. Bhanushree Gupta (Assistant Professor, Chemistry), CBS, PRSU Raipur

S. No.	TITLE	AUTHORS	JOURNAL
		2025	
27	Assessment of Cumin Essential Oil-Loaded Nanoemulsions for Shelf Life Enhancement of Indian Cottage Cheese	Dr. Bhanushree Gupta	ACS Food Science & Technology 2692-1944
26	Preparation, Characterization, and Applications of Albumin Serum-Based Nanoparticles	Dr. Bhanushree Gupta	Journal of Ravishankar University 0970-5910
		2024	
25	Influence of Essential Oil Composition on Antioxidant and Antibacterial Activities of Three Cultivars of Cymbopogon Flexuosus: In Vitro and In Silico Stud	Dr. Bhanushree Gupta	***Chemistry and Biodiversity e202400966***
24	Assessment of Acetylcholinesterase Activity Using the Gold Nanocluster−MnO2 Nanosheet Pair for Detection of Paraoxon	Dr. Bhanushree Gupta	***ACS Applied Nano Materials(2024) 2574-0970***
		2021	
23.	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	***Curr. Med. Chem.* (2021), DOI:**10.2174/092986732866 6210504110520
22.	Thymoquinone (Book Chapter)	A. Jain, L. Dhruw, P. Sinha, A. Pradhan, R. Sharma and **Bhanushree Gupta**	Nutraceuticals, Efficacy, Safety and Toxicity, 2nd Ed. ISBN: 978-0-12-821038-3, (**2021**) Elsevier, pp-891-899.
		2020	
21.	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	***Environ. Toxicol. Pharmacol.* (2020),** 80, 103454.
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20.	Facile and visual detection of acetylcholinesterase inhibitors by carbon quantum dots	Reshma, **Bhanushree Gupta**, Rahul Sharma, K. K. Ghosh	***New J. Chem.*, (2019)** 43, 9924-9933

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19.	Plant and Food Derived Immunomodulators as Nutraceuticals for Performance Enhancing Activities (Book Chapter)	**Bhanushree Gupta**, V. R. Singh, S. Verma, N. Meshram, L. Dhruw, R. Sharma, K. K. Ghosh, and R. C. Gupta	Nutraceuticals in Veterinary Medicine, In R.C. Gupta, R. Lall, A. Srivastava Eds., Nature Springer, 593-602; **(2018)**; **ISSN:** 978-3-030-046; **ISBN:** 978-3-030-046.
18.	Nutraceuticals for Antiaging (Book Chapter)	**Bhanushree Gupta**, B. Kumar, A. Sharma, D. Sori, Rahul Sharma, and S. Mehta	Nutraceuticals in Veterinary Medicine, In R.C. Gupta, R. Lall, A. Srivastava Eds., Nature Springer, 383-392; **(2018) ISSN:** 978-3-030-046; **ISBN:** 978-3-030-046.
17.	Nigella sativa (Book Chapter)	R. Sharma, P. Sahu, A. Jain, V. Kumar, D. Khokhar, A. K. Geda, and **Bhanushree Gupta**	Nutraceuticals in Veterinary Medicine, In R.C. Gupta, R. Lall, A. Srivastava Eds., Nature Springer, 91-102; **(2018) ISSN:** 978-3-030-046; **ISBN:** 978-3-030-046.
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15.	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	***ACS Sustainable Chem. Eng***., (**2016**) *4* (12), 6962–6973
14.	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	***Toxicol. Mech. Methods*** **(2016)**, 25 (5), 319-326
13.	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	***Chem. Biol. Intract.*** **(2016)** 259 Part B, 85-92.
12.	Metallosurfactant Aggregates as Catalysts for the Hydrolytic Cleavage of Carboxylate and Phosphate Esters	K. K. Ghosh, **Bhanushree Gupta** and S. Bhattacharya	***Curr. Organocatal.*** **(2016)**, 3 (1), 6-23
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11.	Kinetic and physicochemical analysis of structurally different bis-pyridinium oximes against pesticide inhibited AChE	A. K. Sahu, **Bhanushree Gupta,** R. Sharma, Y. Singh, K. Musilek, K. Kuca and K. K Ghosh	***Ind. J. Chem.*** **(2015)** 54, 40-45
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9.	From α-Nucleophiles to Functionalized Aggregates: Exploring the Reactivity of Hydroxamate Ion towards Esterolytic Reactions in Micelles	N. Singh, Y. Karpichev, R. Sharma, **Bhanushree Gupta**, A. K. Sahu, M. L. Satnami and K. K. Ghosh	***Org. Biomol. Chem.*** **(2015)**, 13 (10), 2827-2848.
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6.	*In- Vitro* Reactivation Kinetics of Paraoxon and DFP Inhibited Electric eel AChE using Mono- and Bis-Pyridinium Oximes.	**Bhanushree Gupta**, R. Sharma, N. Singh, K. Kuca, J. R. Acharya, K. K. Ghosh	***Arch. Toxicol.*** **(2014)** 88 (2), 381-390.
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