

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

S. No.	TITLE	AUTHORS	JOURNAL
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	<i>Curr. Med. Chem.</i> (2021), DOI:10.2174/0929867328666210504110520
22.	Thymoquinone (Book Chapter)	A. Jain, L. Dhruw, P. Sinha, A. Pradhan, R. Sharma and Bhanushree Gupta	Nutraceuticals, Efficacy, Safety and Toxicity, 2 nd 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 <i>in-vitro</i> reactivation study	R. Sharma, K. Upadhyay, Bhanushree Gupta , K. K. Ghosh, Rama P. Tripathi, K. Musilek, K. Kuca	<i>Environ. Toxicol. Pharmacol.</i> (2020), 80, 103454.
2019			
20.	Facile and visual detection of acetylcholinesterase inhibitors by carbon quantum dots	Reshma, Bhanushree Gupta , Rahul Sharma, K. K. Ghosh	<i>New J. Chem.</i> , (2019) 43, 9924-9933
2018			
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.

2016			
16.	Thymoquinone (Book Chapter)	Bhanushree Gupta , K. K. Ghosh and R. C. Gupta,	Nutraceuticals, Efficacy, Safety and Toxicity, ISBN: 978-0-12-802147-7, (2016) Elsevier
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	<i>ACS Sustainable Chem. Eng.</i> , (2016) 4 (12), 6962–6973
14.	Oxime Mediated <i>In-Vitro</i> 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	<i>Toxicol. Mech. Methods</i> (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	<i>Chem. Biol. Intract.</i> (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	<i>Curr. Organocatal.</i> (2016), 3 (1), 6-23
2015			
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	<i>Ind. J. Chem.</i> (2015) 54, 40-45
10.	Acid dissociation constants and molecular descriptors of some xylene linked Bispyridinium oximes	N. Singh, O.Soukup, R. Dolezall, Z. Fisar, Bhanushree Gupta , K. K. Ghosh, K. Kuca	<i>Mil. Med. Sci. Lett.</i> (2015), 84, 1-10
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	<i>Org. Biomol. Chem.</i> (2015), 13 (10), 2827-2848.
8.	Development and Structural Modifications of Cholinesterase Reactivators against Chemical Warfare Agents in Last Decade: A Review.	R. Sharma, Bhanushree Gupta , N. Singh, J. Acharya, K. Musilek, K. Kuca and K. K. Ghosh	<i>Min. Rev. Med. Chem.</i> (2015), 15, 58-72.
2014			
7.	Reactivation kinetics of xylene linked carbamoyl bispyridinium mono-oximes against organophosphates inhibited electric-eel AChE.	R. Sharma, Bhanushree Gupta , J. R. Acharya, M.P. Kaushik, K. K. Ghosh	<i>Toxicology</i> (2014), 315,1-8

6.	<i>In- Vitro</i> 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	<i>Arch. Toxicol.</i> (2014) 88 (2), 381-390.
5.	Assessment of Antidotal Efficacy of Cholinesterase Reactivators Against Paraoxon: <i>In-vitro</i> Reactivation Kinetics and Physicochemical Properties.	Bhanushree Gupta , N. Singh, R. Sharma, M. L. Satnami, B. Foretic, K. Musilek K. Kuca and K. K. Ghosh	<i>Bioorg. Med. Chem. Lett.</i> (2014), 24 (19), 4743-4748
2013			
4.	Evaluation of biological efficiency of oxime based reactivators against organophosphate inhibited AChE: An <i>in vitro</i> study.	Bhanushree Gupta , Kallol K. Ghosh.	<i>Toxicol. Lett.</i> (2013), 221, S147–S148.
3.	Reactivity Studies of Carbon, Phosphorus and Sulfur Based Acyl Sites with Tertiary Oximes in Gemini Surfactants.	Bhanushree Gupta , R. Sharma, N. Singh, Y. Karpichev M. L. Satnami , K. K. Ghosh	<i>J. Phys. Org. Chem.</i> (2013), 26, 623-642
2.	Physicochemical Properties and Supernucleophilicity of Oxime-Functionalized Surfactants: Hydrolytic Catalysts toward Dephosphorylation of Di- and Triphosphate Esters.	N. Singh, Y. Karpichev, Bhanushree Gupta , M. L. Satnami, J. Marek, K. Kuca and K. K. Ghosh	<i>J. Phys. Chem. B</i> , (2013), 117 (14), 3806-3817
2012			
1.	Mineral Acid Catalyzed Hydrolysis of Synthesized Organic Phosphate Esters	S. A. Bhoite, N. Choure, Bhanushree Gupta and J. Verma	<i>J. Indian Chem. Soc.</i> (2012), 89, 1179.