

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

S. No.	TITLE	AUTHOR	JOURNAL
<b>2019</b>			
1.	Facile and visual detection of acetylcholinesterase inhibitors by carbon quantum dots	Reshma, <b>Bhanushree Gupta</b> , Rahul Sharma, K. K. Ghosh	<i>New J. Chem.</i> , (2019) 43, 9924-9933
<b>2018</b>			
2.	Plant and Food Derived Immunomodulators as Nutraceuticals for Performance Enhancing Activities (Book Chapter)	<b>Bhanushree Gupta</b> , 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.
3.	Nutraceuticals for Antiaging (Book Chapter)	<b>Bhanushree Gupta</b> , 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.
4.	Nigella sativa (Book Chapter)	R. Sharma, P. Sahu, A. Jain, V. Kumar, D. Khokhar, A. K. Geda, and <b>Bhanushree Gupta</b>	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.
<b>2016</b>			
5.	Thymoquinone (Book Chapter)	<b>Bhanushree Gupta</b> , K. K. Ghosh and R. C. Gupta,	Nutraceuticals, Efficacy, Safety and Toxicity, ISBN: 978-0-12-802147-7, (2016) Elsevier
6.	Degradation of Organophosphate Pesticides Using Pyridinium Based Functional Surfactants.	R. Sharma, <b>Bhanushree Gupta</b> , 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
7.	Oxime Mediated <i>In-Vitro</i> Reactivation Kinetic Analysis of Organophosphates-Inhibited Human and Electric Eel Acetylcholinesterase	A. K. Sahu, R. Sharma, <b>Bhanushree Gupta</b> , K. Musilek, K. Kuca, J. R. Acharya and K. K Ghosh	<i>Toxicol. Mech. Methods</i> (2016), 25 (5), 319-326
8.	Synthesis and in-vitro reactivation screening of imidazolium aldoximes as reactivators of sarin and VX-inhibited human acetylcholinesterase (hAChE)	R. Sharma, <b>Bhanushree Gupta</b> , A. K. Sahu, J. Acharya, M. L. Satnami and K. K. Ghosh	<i>Chem. Biol. Intract.</i> (2016) 259 Part B, 85-92.

9.	Metallosurfactant Aggregates as Catalysts for the Hydrolytic Cleavage of Carboxylate and Phosphate Esters	K. K. Ghosh, <b>Bhanushree Gupta</b> and S. Bhattacharya	<i>Curr. Organocatal.</i> (2016), 3 (1), 6-23
		<b>2015</b>	
10.	Kinetic and physicochemical analysis of structurally different bis-pyridinium oximes against pesticide inhibited AChE	A. K. Sahu, <b>Bhanushree Gupta</b> , R. Sharma, Y. Singh, K. Musilek, K. Kuca and K. K Ghosh	<i>Ind. J. Chem.</i> (2015) 54, 40-45
11.	Acid dissociation constants and molecular descriptors of some xylene linked Bispyridinium oximes	N. Singh, O.Soukup, R. Dolezall, Z. Fisar, <b>Bhanushree Gupta</b> , K. K. Ghosh, K. Kuca	<i>Mil. Med. Sci. Lett.</i> (2015), 84, 1-10
12.	From $\alpha$ -Nucleophiles to Functionalized Aggregates: Exploring the Reactivity of Hydroxamate Ion towards Esterolytic Reactions in Micelles	N. Singh, Y. Karpichev, R. Sharma, <b>Bhanushree Gupta</b> , A. K. Sahu, M. L. Satnami and K. K. Ghosh	<i>Org. Biomol. Chem.</i> (2015), 13 (10), 2827-2848.
13.	Development and Structural Modifications of Cholinesterase Reactivators against Chemical Warfare Agents in Last Decade: A Review.	R. Sharma, <b>Bhanushree Gupta</b> , N. Singh, J. Acharya, K. Musilek, K. Kuca and K. K. Ghosh	<i>Min. Rev. Med. Chem.</i> (2015), 15, 58-72.
		<b>2014</b>	
14.	Reactivation kinetics of xylene linked carbamoyl bispyridinium mono-oximes against organophosphates inhibited electric eel AChE.	R. Sharma, <b>Bhanushree Gupta</b> , J. R. Acharya, M.P. Kaushik, K. K. Ghosh	<i>Toxicology</i> (2014), 315,1-8
15.	<i>In-Vitro</i> Reactivation Kinetics of Paraoxon and DFP Inhibited Electric eel AChE using Mono- and Bis-Pyridinium Oximes.	<b>Bhanushree Gupta</b> , R. Sharma, N. Singh, K. Kuca, J. R. Acharya, K. K. Ghosh	<i>Arch. Toxicol.</i> (2014) 88 (2), 381-390.
16.	Assessment of Antidotal Efficacy of Cholinesterase Reactivators Against Paraoxon: <i>In-vitro</i> Reactivation Kinetics and Physicochemical Properties.	<b>Bhanushree Gupta</b> , 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
		<b>2013</b>	
17.	Evaluation of biological efficiency of oxime based reactivators against organophosphate inhibited AChE: An <i>in vitro</i> study.	<b>Bhanushree Gupta</b> , Kallol K. Ghosh.	<i>Toxicol. Lett.</i> (2013), 221, S147-S148.
18.	Reactivity Studies of Carbon, Phosphorus and Sulfur Based Acyl Sites with Tertiary Oximes in Gemini Surfactants.	<b>Bhanushree Gupta</b> , R. Sharma, N. Singh, Y. Karpichev M. L. Satnami , K. K. Ghosh	<i>J. Phys. Org. Chem.</i> (2013), 26, 623-642
19.	Physicochemical Properties and Supernucleophilicity of Oxime-Functionalized Surfactants:	N. Singh, Y. Karpichev, <b>Bhanushree Gupta</b> , M. L. Satnami, J. Marek, K. Kuca	<i>J. Phys. Chem. B</i> , (2013), 117 (14), 3806-3817

	Hydrolytic Catalysts toward Dephosphorylation of Di- and Triphosphate Esters.	and K. K. Ghosh	
		<b>2012</b>	
<b>20.</b>	Mineral Acid Catalyzed Hydrolysis of Synthesized Organic Phosphate Esters	S. A. Bhoite, N. Choure, <b>Bhanushree Gupta</b> and J. Verma	<i>J. Indian Chem. Soc.</i> (2012), 89, 1179.