

PUBLICATIONS

S. NO.	Title	Journal Name	Authors	Impact factor
1.	From α -nucleophiles to functionalized aggregates: exploring the reactivity of hydroxamate ion towards esterolytic reactions in micelles. DOI: 10.1039/c4ob02067g, 2015.	Organic & Biomolecular Chemistry (RSC)	Namrata Singh, Yevgen Karpichev, Rahul Sharma, Bhanushree Gupta, Arvind K. Sahu, Manmohan L. Satnami & Kallol K. Ghosh,	3.876
2.	Kinetic and physicochemical analysis of structurally different bis-pyridinium oximes against pesticide inhibited AChE,	Indian Journal of Chemistry, 54, 2015, 40-45.	Arvind Kumar Sahu, Bhanushree Gupta, Rahul Sharma, Yama Singh, Kamil Musilek, Kamil Kuca & Kallol K Ghosh,	0.49
3.	Oxime Mediated <i>In-Vitro</i> Reactivation Kinetic Analysis of Organophosphates-Inhibited Human and Electric Eel Acetylcholinesterase.	Toxicology Mechanism and Methods 2016, 26, 1-8.	Arvind Kumar Sahu, Rahul Sharma, Bhanushree Gupta, Kamil Musilek, Kamil Kuca, Jyotiranjana Acharya, Kallol K Ghosh.	1.476
4.	Synthesis and in-vitro reactivation screening of imidazolium aldoximes as reactivators of sarin and VX-inhibited human acetylcholinesterase (hAChE).	Chemico-Biological Interactions	Rahul Sharma, Bhanushree Gupta, Arvind Kumar Sahu, Jyotiranjana Acharya, Manmohan L. Satnami, Kallol K. Ghosh, ,2016, 10.1016/j.cbi.2016.04.034	2.577
5.	Reactivation kinetic studies of bis-pyridinium mono-oximes against nerve agents poisoning: An in vitro screening, 2016, 258, S250.	Toxicology Letters	Arvind Kumar Sahu, Rahul Sharma, Bhanushree Gupta, Kallol K Ghosh,	3.858
6.	Degradation of Organophosphate Pesticides Using Pyridinium Based Functional Surfactants 2016,	ACS Sustainable Chemistry & Engineering, 6962–6973.	Rahul Sharma, Bhanushree Gupta, Toshikee Yadav, Srishti Sinha, Arvind Kumar Sahu, Yevgen Karpichev, Nicholas Gathergood, Jan Marek, Kamil Kuca, Kallol K. Ghosh,	7.632