


PERSONAL PROFILE	
NAME	Dr. SRIPARNA RAY
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Higher Qualification	Ph. D
TEACHING EXPERIENCES	13 years 6 months (November 2007 – till date)
TOPICS TAUGHT	Non- chordates, Vertebrates, Biochemistry, Genetics, Evolutionary Biology, Animal behaviour, Molecular Biology, Physiology
RESEARCH EXPERIENCE	Five years experiences as research scholar in Department of Zoology Jharkhand Rai University, Ranchi, Jharkhand
RESEARCH AREA	Bioinformatics with special emphasis on proteomics
Award and recognition (If Any)	N.A
Membership (If any)	N.A
Other activity (If any)	N.A
LIST OF PUBLICATIONS (chronological order- latest to oldest)(books, book chapters, journal and conference publication)	<ol style="list-style-type: none"> 1. Jayanta Sinha and Sriparna Ray, Study of some calcium channel inhibiting spider toxins through bioinformatics tools, <i>Journal of advanced bioinformatics application and research</i>, 2013, 4(3):80-92. 2. Sripama Ray and Jayanta Sinha, In silico structure analysis of potassium channel BgK toxin and its docking prediction with human voltage gated potassium channel, <i>Journnl of Chemical and Pharmaceutical Research</i>, 2015, 7(5):451-459. 3. Sripama Ray and Jayanta Sinha, An in silico study of Cnidarians toxin Am-1 and its binding with human voltage gated sodium channel, <i>Bodhi Vijyan</i>, 2016, 3(3), 37-50. 4. Sripama Ray and Jayanta Sinha, Studies on mode of action of cnidarians PLA2 toxin from <i>Adomsia palliata</i> in tiggering cytotoxicity in human: Anin silico approach. <i>J. Environ. & Sociobiol</i>, 2016, 13(1): 1-14. 5. Sriparna Ray and Jayanta Sinha A study on probable binding of cnidarians PLA2 toxins with human TRPVI receptor through bioinformatics tools, <i>Journnl of Chemical and Pharmaceutical Research</i>, 2016, 8(7):26-35. 6. Sriparna Ray and Jayanta Sinha, An in silico study of herbal compounds to cnidarians PLA2 toxins in alleviating TRPV1 triggered pain sensation in human, <i>International journal of advanced biotechnology and research</i>, 2017, 8(4): 1644-1653. 7. Sriparna Ray and Jayanta Sinha, An in silico binding study of herbal compounds to cnidarians Phospholipase A2 toxins in alleviating pain sensation in human, <i>Biophysics: Impact on Today's society</i>. Published by Victoria Institution (College) Kolkata, 2017, pp.103-111. 8. Sriparna Ray Jayanta Sinha and Suresh Mohan Prasad, Epitope based vaccine Strategy against Sea anemone Toxins through in silico route, <i>Journnl of Chemical and Pharmaceutical Research</i>, 2018, 10(11):58-66. 9. Atheni Konar, Tandra Sarkar, Nirmal Chandra Sukul, Abirban Sukul,

	<p>Indrani Chakraborty, Sriparna Ray, High and ultra low concentrations of Mercuric chloride initiate their specific action on binding sites of invertase and modify its interaction with sucrose, Internation Journal of High Dilution Research,2019, 18(3-4):19-34.</p> <p>10. Sriparna Ray and Jayanta Siha, Effect of non synonymous amino acid substitution of human SARS virus spike glycoprotein: An analysis through bioinformatics tools, e proceedings: In the Webinar of Sidho Kanho Birsha University, organised by Department of Mathematics during June 11-12, 2020.</p>
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