


Personal Profile		
Name	Dr. Sriparna Ray	
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Date of Joining	17.11.2008	
Teaching Experience	15 years 8 momths	
Topics Taught	Non- chordates, Vertebrates, Biochemistry, Genetics, Evolutionary Biology, Animal behavior, Bioinformatics, Biostatistics	
Research Experience	More than8 years and ongoing	
Research Area	Bioinformatics with special emphasis on proteomics	
Award and Recognition (if any)	NA	
Membership	NA	
Other Activity	▪ NA	
List of Publications	<div>1. Jayanta Sinha and Sriparna Ray, Study of some calcium channel inhibiting spider toxins through bioinformatics tools, Journal of advanced bioinformatics</div>	

	<p>application and research, 2013, 4(3):80-92.</p> <ol style="list-style-type: none"> 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>Adamsia palliata</i> in tiggering cytotoxicity in human: An in silico approach. <i>J. Environ. & Sociobiol</i>, 2016, 13(1): 1-14. 5. Sripama Ray and Jayanta Sinha A study on probable binding of cnidarians PLA2 toxins with human TRPV1 receptor through bioinformatics tools, <i>Journal of Chemical and Pharmaceutical Research</i>, 2016, 8(7):26-35. 6. Sripama 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. Sripama 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. Sripama Ray Jayanta Sinha and Suresh Mohan Prasad, Epitope based vaccine Strategy against Sea anemone Toxins through in silico route, <i>Journal of Chemical and Pharmaceutical Research</i>, 2018, 10(11):58-66. 9. Atheni Konar, Tandra Sarkar, Nirmal Chandra Sukul, Abirban Sukul, Indrani Chakraborty, Sripama Ray, High and ultra low concentrations of Mercuric chloride initiate their specific action on binding sites of invertase and modify its interaction with sucrose, <i>International Journal of High Dilution Research</i>, 2019, 18(3-4):19-34. 10. Sripama 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. 11. Sripama Ray and Jayanta Sinha, In silico strategy to control or treat Nipah virus infection in humans through Saikosaponin Biomolecules, <i>International journal of Pharma and Bio Sciences</i>, 2022, 10:64-75 12. Sripama Ray and Sudip Hajra, Molecular mechanism of <i>Helicobacter Pylori</i> infection through in silico study, e proceedings: Proceedings of the International career Outreach Conference, organised by Microsystem Design-Integration Lab, Bidhan Chandra College, Asansol, WB, India during 26th-28th November 2022. 13. Sudip Hajra and Sripama Ray, Controlling Nipah Virus Infection in Humans through In Silico strategies, <i>International Journal of All Research Education and Scientific Methods (IJARESM)</i>, 2024, 12(4):1030-1037. 14. Sripama Ray and Jayanta Sinha, An In silico approach to multiepitope vaccine Design against sea anemone toxins, <i>Research Journal of pharmaceutical, Biological and Chemical Sciences</i>, 2024, 15(3): 37-49.
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