

Published manuscript after joining IISc (after May 12, 2015):

1. K. Baratam, K. Jha and **A. Srivastava***, “Flexible pivoting of dynamin PH-domain catalyzes fission: Insights into molecular degrees of freedom”, *Molecular Biology of the Cell* (2021) <https://doi.org/10.1091/mbc.E20-12-0794>
2. A. Rajeswari, J. Nagesh and **A. Srivastava***, “High resolution ensemble description of metamorphic and intrinsically disordered proteins using an efficient hybrid parallel tempering scheme”, *Nature Communications* (2021) <https://doi.org/10.1038/s41467-021-21105-7>
3. B. Gorai, A. K. Sahoo, **A. Srivastava**, N. M. Dixit, P. K. Maiti*, “Concerted interactions between multiple gp41 trimers and the target cell lipidome may be required for HIV-1 entry”, *Journal of Chemical Information and Modeling* (2020) <https://doi.org/10.1021/acs.jcim.0c01291>
4. D. Mishra, S. Pahujani, N. Mitra, **A. Srivastava***, R. Srinivasan*, “Identification of a Potential Membrane-Targeting Sequence in the C-Terminus of the F Plasmid Segregation Protein SopA”, *Journal of Membrane Biology* (2021) <https://doi.org/10.1007/s00232-020-00157-8>
5. M. Tripathy, T. Subasini and **A. Srivastava***, “Three-Dimensional Packing Defects in Lipid Membrane as a Function of Membrane Order” – *Journal of Chemical Theory and Computation* (2020) <https://doi.org/10.1021/acs.jctc.0c00609>
6. S. Iyer and **A. Srivastava***, “Degeneracy in molecular scale organization of biological membranes”, *Soft Matter* (2020) <https://doi.org/10.1039/D0SM00619J>
7. J. Bodosa, S. Iyer and **A. Srivastava***, “Preferential protein partitioning in biological membrane with coexisting liquid ordered and liquid disordered phase behaviour: Underlying design principles” – *Journal of Membrane Biology* (2020) [Review paper] <https://doi.org/10.1007/s00232-020-00150-1>
8. S. Iyer, A. Negi and **A. Srivastava***, “Interpretation of Phase Boundary Fluctuation Spectra in Biological Membranes with Nanoscale Organization”, *Journal of Chemical Theory and Computation* (2019) <https://doi.org/10.1021/acs.jctc.9b00929>
9. R. Appadurai, V. Uversky and **A. Srivastava***, “The Structural and Functional Diversity of Intrinsically Disordered Regions in Transmembrane Proteins”, *The Journal of Membrane Biology* (2019) [Review paper] <http://doi.org/10.1007/s00232-019-00069-2>
10. S. S. Iyer, M. Tripathy and **A. Srivastava***, “Liquid-liquid Phase Coexistence in Biological Membrane: Insights from Local Nonaffine Deformation of Lipids”, *Biophysical Journal* (2018) <https://doi.org/10.1016/j.bpj.2018.05.021>
11. M. Tripathy, S. S. Iyer and **A. Srivastava***, “Molecular Origin of Spatiotemporal Heterogeneity in Biomembranes With Coexisting Liquid Phases: Insights From Topological Rearrangements and Lipid Packing Defects”, *Advances in Biomembranes and Lipid Self-Assembly – Vol 28* (2018) [Book Chapter] <https://doi.org/10.1016/bs.abl.2018.06.001>
12. S. Mathesan, M. Tripathy, **A. Srivastava*** and P. Ghosh*, “Non-Affine Deformation of Free Volume during Strain Dependent Diffusion in Polymer Thin Films” *Polymer* (2018) <https://doi.org/10.1016/j.polymer.2018.09.035>
13. R. Deo, M. S. Kushwah, S. C. Karmarker, N. Y. Kadam, S. Dar¹, K. Babu, **A. Srivastava** and T. J. Pucadyil*, “ATP-dependent membrane remodeling links EHD1 functions to endocytic recycling” *Nature Communication* (2018) <https://www.nature.com/articles/s41467-018-07586-z>
14. C. Kotyada, A. Maulik, **A. Srivastava, A.** and M. Singh* “Mechanistic Insights into the Differential Catalysis by RheB and Its Mutants: Y35A and Y35A-D65A”, *ACS Omega* (2017) <https://doi.org/10.1021/acsomega.7b01025>
15. A.J Pak, J.M.A Grime, P. Sengupta, P., A.K. Chen, A.E.P. Durumeric, **A. Srivastava**, M. Yeager, J.A.G. Briggs, J. Lippincott-Schwartz*, and G.A. Voth*, “Immature HIV-1 lattice assembly dynamics are regulated by scaffolding from nucleic acid and the plasma membrane”, *PNAS* (2017) <https://doi.org/10.1073/pnas.1706600114>