

Prof. Dr. Anand Srivastav

Publications in Marine Science, Life Science and Medicine

- 1.) Volkmar Sauerland, Ulrike Löptien, Claudine Leonhard, Andreas Oschlies, and **Anand Srivastav**: *Error assessment of biogeochemical models by lower bound methods (NOMMA-1.0)*. To appear in: Geoscientific Model Development. 2018
- 2.) Axel Wedemeyer, Lasse Kliemann, **Anand Srivastav**, Christian Schielke, Thorsten Reusch, and Philip Rosenstiel: *An improved filtering algorithm for big read datasets and its application to single-cell assembly*. BMC Bioinformatics 18:324 (2017), pp.1–11. doi:10.1186/s12859-017-1724-7
- 3.) Iris Kriest, Volkmar Sauerland, Samar Khatiwala, **Anand Srivastav**, and Andreas Oschlies. "Calibrating a global three-dimensional biogeochemical ocean model (MOPS-1.0)". Geoscientific Model Development 10.1 (2017), pp. 127–154. doi: 10.5194/gmd-10-127-2017
- 4.) Mourad El Ouali, Peter Munstermann, **Anand Srivastav**: *Randomized Approximation for the Set Multicover Problem in Hypergraphs*. Algorithmica 74(2): 574-588. doi:10.1007/s00453-014-9962-9 (2016)
- 5.) Mourad El Ouali, Helena Fohlin, **Anand Srivastav**: *An approximation algorithm for the partial vertex cover problem in hypergraphs*. Journal of Combinatorial Optimization 31(2): 846-864. doi:10.1007/s10878-014-9793-2 (2016)
- 6.) Lasse Kliemann, Christian Schielke, **Anand Srivastav**: *A Streaming Algorithm for the Undirected Longest Path Problem*. Proceedings of the 24th Annual European Symposium on Algorithms, Aarhus, Denmark, August 2016 (ESA 2016), pages 56:1–56:17 (2016). doi:10.4230/LIPIcs.ESA.2016.56
- 7.) Mourad El Ouali, Helena Fohlin, **Anand Srivastav**: *A randomised approximation algorithm for the hitting set problem*. Theoretical Computer Science 555: 23-34 (2014). doi:10.1016/j.tcs.2014.03.029
- 8.) William Chen, **Anand Srivastav**, Giancarlo Travaglini: *A Panorama of Discrepancy Theory*, Springer Book: 681 pages (2014)
- 9.) Nils Hebbinghaus, **Anand Srivastav**: *Discrepancy of Centered Arithmetic Progressions in Z_p* . European Journal of Combinatorics 35:324-334 (2014)
- 10.) Sebastian Eggert, Lasse Kliemann, Peter Munstermann, **Anand Srivastav**: *Bipartite Matching in the Semi-streaming Model*. Algorithmica 63(1-2): 490-508 (2012). doi:10.1007/s00453-011-9556-8