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## APPENDIX A

### LIST OF PUBLICATIONS FROM THESIS WORK

- Kundu, D.**, Handa, T., Dubey, V.K.\* (2022) Investigations on potential mechanisms of intracellular metabolites as anti-amyloidogenic agents on preformed lysozyme oligomers at physiological pH (**Manuscript drafted for communication**)
- Kundu, D.**, Kumari, P., Dubey, V.K.\* (2022) Nucleosides and Nitrogenous Bases Inhibit Protein Amyloidosis: A Biophysical and Computational Analysis Using Hen Egg White Lysozyme as Model System; (**Under Review**)
- Kundu, D.** & Dubey, V.K. \* (2021) Potential alternatives to current cholinesterase inhibitors: An *in-silico* drug repurposing approach; Drug Dev Ind Pharm. 2021 Jun; 47(6):919-930. DOI: 10.1080/03639045.2021.1952216
- Kundu, D** & Dubey, V.K.\* (2021) Purines and Pyrimidines: Metabolism, Function and Potential as Therapeutic Options in Neurodegenerative Diseases; Current Protein Peptide Science Dec 8; Volume 22 (2), 170-189, DOI: 10.2174/138920372199920120820060
- Kundu, D.**, Umesh, & Dubey, V.K.\* (2020) Interaction of selected biomolecules and metabolites with amyloidogenic proteins, Journal of Biomolecular Structure and Dynamics, Publisher: Taylor & Francis] DoI: [10.1080/07391102.2020.1760138](https://doi.org/10.1080/07391102.2020.1760138)
- Kundu, D.**, Perna, K., Chaurasia, R., Bharty, M. K., & Dubey, V.K. \* (2020) Advances in protein misfolding, amyloidosis and its correlation with human diseases; 3 Biotech.

### PUBLICATIONS IN COLLABORATION OUTSIDE THESIS WORK

- Menpadi, N., Prakash, J., **Kundu, D.**, Chandra, P., Dubey, V.K. (2022) Identification of Dephospho-coenzyme A kinase inhibitor by Virtual screening: a potential cure for leishmaniasis (**Communicated**)
- Handa, T., **Kundu, D.**, Dubey, V.K. (2022) Finding Order within Disorder: Perspectives on Evolutionary and Functional importance of Intrinsically Disordered Proteins (**Communicated**)
- Sonigara, R., **Kundu, D.**, Dubey, V.K. (2022) In silico analysis and mutational study of Gephyrin E domain deciphering potential alternatives to artemether as antimalarial agents (**Communicated**)
- Pande, M., **Kundu, D.**, Srivastava, R\* (2022) Selective Vitamins as potential options for dietary therapeutic interventions: In silico and In vitro insights from mutant C terminal fragment of FGA; (**Under revision**)
- Pande, M., **Kundu, D.**, Srivastava, R\* (2021) Drugs repurposing against SARS-CoV2 and the new variant B.1.1.7 (Alpha Strain) targeting the spike protein: Molecular docking and Simulation studies; Heliyon, Cell Press Publishers.
- Pande, M., **Kundu, D.**, Srivastava, R\* (2021) Vitamin C and Vitamin D3 shows stronger binding with the amyloidogenic region of G555F mutant of Fibrinogen A alpha-chain associated with renal amyloidosis: Proposed Possible Therapeutic Intervention. Mol Divers. 2021 Mar 12.
- Umesh, **Kundu, D.**, Selvaraj, C., Singh, S.K. & Dubey, V.K.\* (2020) Identification of new anti-nCoV drug chemical compounds from Indian spices exploiting SARS- CoV-2 main protease as a target, Journal of Biomolecular Structure and Dynamics, Publisher: Taylor & Francis]
- Verma, K., **Kundu, D.**, Kundu, M.L., Singh, A.S., & Dubey, V.K.\* (2019) Folding and stability of recombinant azoreductase enzyme from *Chromobacterium violaceum*. Enzyme and Microbial Technology 131, 109433.