

Dr. Piu Samui (01.02.2024 - till date)

- Mondal, J., Mondal S., **Samui, Piu***(2023), *Simulation and forecasting CTLs response effectualness against global dynamics of SARS-CoV-2/HIV coinfection*, **Results in Control and Optimization**, E-ISSN: 2666-7207, 13(2023), 100323. DOI: <https://doi.org/10.1016/j.rico.2023.100323>
- **Samui, Piu**, Mondal, J., Ahmad, B., Chatterjee, A. N. (2022), *Clinical effects of 2-DG drug restraining SARS-CoV-2 infection: A fractional order optimal control study*, Journal of Biological Physics, E-ISSN: 1573-0689, ISSN: 0092- 0606, 48(4), 415 - 438. DOI: <https://doi.org/10.1007/s10867-022-09617-9>
- Mondal, J., **Samui, Piu**, Chatterjee, A. N. (2022), *Dynamical demeanour of SARS-CoV-2 virus undergoing immune response mechanism in COVID-19 pandemic*, The European Physical Journal Special Topics, E-ISSN: 1951-6401, ISSN: 1951-6355, 231(18-20), 3357-3370. DOI: <https://doi.org/10.1140/epjs/s11734-022-00437-5>
- Mondal, J., Khajanchi, S., **Samui, Piu** (2022), *Impact of media awareness in mitigating the spread of an infectious disease with application to optimal control*, The European Physical Journal Plus, (IF: 3.911), E-ISSN: 2190-5444, 137(8), 1–18. DOI: <https://doi.org/10.1140/epjp/s13360-022-03156-x>
- Wang B., Mondal, J., **Samui, Piu**, Chatterjee, A. N., Yusuf, A. (2022), *Effect of an Antiviral Drug Control and its Variable Order Fractional Network in Host COVID-19 Kinetics*, The European Physical Journal Special Topics, E-ISSN: 1951-6401, ISSN: 1951-6355, 231(10): 1915 – 1929. DOI: <https://doi.org/10.1140/epjs/s11734-022-00454-4>
- Mondal, J., Samui, Piu, Chatterjee, A. N. (2022), *Modelling of contact tracing in determining critical community size for infectious diseases*, Chaos, Solitons & Fractals, ISSN: 0960-0779, E-ISSN: 1873-2887, 159, 112141. DOI: <https://doi.org/10.1016/j.chaos.2022.112141>

- Mondal, J., Samui, Piu, Chatterjee, A. N. (2021), *Effect of SOF/VEL antiviral therapy for HCV treatment: A control theoretic approach*, Letters in Biomathematics, E-ISSN: 2373-7867, 8(1): 191-213. DOI: <https://doi.org/10.30707/LiB8.1.1682013528.144161>
- Samui, Piu, Mondal, J., Khajanchi, S. (2021), *A mathematical model for COVID-19 transmission dynamics with a case study of India*, Chaos, Solitons & Fractals, ISSN: 0960-0779, E-ISSN: 1873-2887, 140, 110173. DOI: <https://doi.org/10.1016/j.chaos.2020.110173>
- Mondal, J., Samui, Piu, Chatterjee, A. N. (2020), *Optimal control strategies of non-pharmaceutical and pharmaceutical interventions for COVID-19 control*, Journal of Interdisciplinary Mathematics (Taylor & Francis), ISSN: 0972-0502, E-ISSN: 2169-012X, 24(1): 125 – 153. DOI: <https://doi.org/10.1080/09720502.2020.1833459>