

PUBLICATION REPORT

Research Articles –

- Nath, S., Sarkar, M., Maddheshiya, A., **De, D.**, Paul, S., Dey, S., Pal, K., Roy, S.K., Ghosh, A., Sengupta, S. and Paine, S.K., 2023. Upper respiratory tract microbiome profiles in SARS-CoV-2 Delta and Omicron infected patients exhibit variant specific patterns and robust prediction of disease groups. **Microbiology Spectrum**, 11(6), pp.e02368-23. **Impact Factor – 9.043.**
- **De, D.**, Nayak, T., Chowdhury, S., & Dhal, P. K. (2022). Insights of host physiological parameters and gut-microbiome of Indian Type 2 Diabetic patients visualized via metagenomics and machine learning approaches. **Frontiers in Microbiology**, 0, 2479. doi.org/10.3389/FMICB.2022.914124. **Impact Factor – 5.2.**
- Nayak, T., **De, D.**, Dhal, P. K. (2021). The differences in SARS-CoV and SARS-CoV-2 specific co-expression network mediated biological process in human gut enterocytes. **Infection, Genetics and Evolution**, doi.org/10.1016/j.meegid.2021.104892. **Impact Factor – 3.2.**
- Nayak, T., **De, D.**, Karmakar, P., Deb, A., Dhal, P. K. (2021). Microbial communities of the drinking water with gradient radon concentration are primarily contributed by radon and heavy metal content. **Frontiers in Environmental Science**, 9, doi: 10.3389/fenvs.2021.576400. **Impact Factor – 4.6.**
- Nayak, T., **De, D.**, Barman, C., Karmakar, P., Deb, A., Dhal, P. K. (2019). Characterization of indigenous bacteria from radon-rich groundwater and their tolerance to physicochemical stress. **International Journal of Environmental Science and Technology**, 17, 1627– 1636, <https://doi.org/10.1007/s13762-019-02445-w>. **Impact Factor – 3.1.**

Conference Proceedings Journal Papers –

- Mitra, S., Sarkar, S., **De, D.**, Ghosh, S., Ghosh, B., & Sarkar, S. (2023). Management Of Microbial Biofilm Using Nano Particle: A Review. **Journal of Advanced Zoology**, 44.

Book Chapters –

- **De, D.**, Nayak, T., Das, G., & Dhal, P. K. (2024). Chapter 17 - Metagenomics and bioinformatics in microbial ecology: Current status and beyond. In H. Thatoi, S. K. Pradhan, & U. Kumar (Eds.), **Applications of Metagenomics** (pp. 359–385). Academic Press. <https://doi.org/10.1016/B978-0-323-98394-5.00009-2>
- Paul, S., **De, D.**, Pal, P., & Ghosh, B. (2024). Chapter 1 - Unveiling Epigenetics And Human Diseases: Focus On Cancer Epigenetics. **Frontiers in Biotechnology Emerging Approaches** (pp. 23–41). ISBN No. - 978-93-5980-245-9
- Pal, P., **De, D.**, Banik, R.D., & Paul, S. (2024). Chapter 4 - An Overview Of The Mechanistic Approach To RNA Interference. **Frontiers in Biotechnology Emerging Approaches** (pp. 58–73). ISBN No. - 978-93-5980-245-9
- **De, D.**, Pal, P., Banik, R.D., & Paul, S. (2024). Chapter 8 - Unraveling The Wonders Of Genome Sequencing And It's Advance Method Next Generation Sequencing. **Frontiers in Biotechnology Emerging Approaches** (pp. 132–149). ISBN No. - 978-93-5980-245-9
- Banik, R.D., **De, D.** & Pal, P. (2024). Chapter 4 - Horizontal Gene Transfer In The Evolution Of Microbial Genomes. **Microbiome Principles and Explorations** (pp. 106–125). ISBN No. - 978-93-5980-246-6