

Research Progress in Centre for Environment, Climate Change and Public Health (RUSA 2.0), Utkal University, Bhubaneswar, Odisha

Paper published

Dr Sujogya Kumar Panda

- 1) Sahoo, A., Swain, S.S., Behera, A., Sahoo, G., Mahapatra, P.K., and **Panda, S.K.*** (2021). Antimicrobial peptides derived from insects offer a novel therapeutic option to combat biofilm: A systematic review. *Frontiers in Microbiology*, 12, 661195. doi: 10.3389/fmicb.2021.661195. **RUSA is affiliated and acknowledged.** (Impact factor: **5.81**) [Open Access](#)
- 2) Van Puyvelde, L., Aissa, A., **Panda, S.K.,*** Borggraeve, W.M., Mukazayire, M.J., Luyten, W., (2021). Bioassay-guided isolation of antibacterial compounds from the leaves of *Tetradenia riparia* with potential bactericidal effects on food-borne pathogens. *Journal of Ethnopharmacology*, 273, 113956. **RUSA is affiliated.** doi: [10.1016/j.jep.2021.113956](https://doi.org/10.1016/j.jep.2021.113956) (Impact factor: **4.36**)
- 3) Satpathy, S.K., Panigrahi, U.K., **Panda, S.K.,** Biswal, R., Luyten, W. and Mallick, P. (2021). Structural, optical, antimicrobial and ferromagnetic properties of Zn_{1-x}LaxO nanorods synthesized by chemical route, *Journal of Alloys and Compounds*, 865, 158937. **RUSA is affiliated and acknowledged.** doi: <https://doi.org/10.1016/j.jallcom.2021.158937> (Impact factor: **5.316**)
- 4) Swain, S.S.,[¥] **Panda, S.K.[¥]** and Luyten, W. (2021). Phytochemicals against SARS-CoV as potential drug leads, *Biomedical Journal*, 44: 74-85. **RUSA is affiliated.** <https://doi.org/10.1016/j.bj.2020.12.002> (Impact factor: **4.91**) [Open Access](#)

Book Chapters Publishes

Dr. Arati Choudhury

1. **Choudhary, A.,** Kumar, P., Shukla, A., & Joshi, P. K. (2021). Urban Mobility Associated Ambient Air Quality and Policies for Environmental Implications. In *Air Pollution and Its Complications* (pp. 163-175). Springer, Cham.
2. Kumar, P., **Choudhary, A.,** Pratap, V., Joshi, P. K., & Singh, A. K. (2021). Aerosol Characteristics and Its Impact on Regional Climate Over Northern India. In *Air Pollution and Its Complications* (pp. 37-56). Springer, Cham.
3. Kumar, P., **Choudhary, A.,** Joshi, P. K., & Singh, A. K. Characteristics of atmospheric aerosol over Indo-gangetic basin: trend, origin of sources and impact on climate.

Papers under review

1. Revision of manuscript on "Effectiveness of medicinal plant extracts against *Vibrio* spp. in shrimp aquaculture"; **Authors:** Alokesh Ghosh, **Sujogya Kumar Panda**, and Walter Luyten^o; submitted to journal- Aquaculture Research (Impact factor: **2.082**)
2. Revision of manuscript on "Eradicated or Remerging: Disease burden and current therapeutical status of leprosy". **Authors:** Shasank Sekhar Swain, Gunanidhi Sahoo, Pravati Kumari Mahapatra and **Sujogya Kumar Panda** submitted to Current Topics in Medicinal Chemistry; (Impact factor: **4.91**)
3. Revision of manuscript on "Medicinal Mushrooms: Clinical Perspective and Challenges". **Authors:** **Sujogya Kumar Panda** and Walter Luyten; submitted to the journal Drug Discovery Today; (Impact factor: **7.85**)
4. Editorial: Insights into new strategies to combat biofilms. Authors: **Sujogya Kumar Panda** Silvia Buroni, [Vishvanath Tiwari](#) and [Luis Cláudio Nascimento da Silva](#). Submitted to the journal *Frontiers in Microbiology*, (Impact factor: **5.81**)
5. **Choudhary, A**, Time Series Simulation and Forecasting of Air Quality using In-situ and Satellite-based Observations over Urban Region, Physics and Chemistry of the Earth
6. **Durga Madhab Mahapatra**, Kanhu Charan Satapathy and Bhabatarini Panda "Wastewater derived Algae-based Nanofertilizer for Sustainable Agriculture: Phycoprosects and Challenges, Science of the Total Environment
7. **Suvasmita Rath**, Venkateswarlu Perikala, Atala Bihari Jen, Jagneshwar Dandapa, Factors regulating dynamics of Angiotensin-converting enzyme-2 (ACE2), the gateway of SARS-CoV-2: Epigenetic modifications and therapeutic interventions by epidrugs, Journal of Biomedicine and Pharmacotherapy