

Department: Zoology

Name: Dr. Subasa Chandra Bishwal

Designation: Assistant Professor-I (OES-I)

Email/phone number: scbishwal@gmail.com / 9861167377

Date of Joining in Government service (As per service book): 11/01/2025

Date of Joining in this college (As per service book): 11/01/2025

Qualification (Highest): Ph. D. (Life Science)

Field of Specialisation/Interest: Microbiology, Infectious Biology and Zoonotic Diseases



Teaching Experience: 1Year 11 Months

- Assistant Professor: (Jan 2024 to till Date)

Research Experience: 5 Year

- Research Scientist- II (March 2020- December 2023): Virus Research and Diagnostic Laboratory, ICMR- National Institute of Research in Tribal Health, Jabalpur, Madhya Pradesh, India.
- Senior Research Associate (Aug 2019 - March 2020): Ingenious e-Brain Solutions, Gurgaon, Haryana, India

Remarkable Achievements/Awards:

- Awarded certificate of fellowship grant in 53rd Annual Conference of Indian Society of Hematology and Blood Transfusion (ISHBT-2012).

List of research projects conducted: NIL

List of Publications:

- 1) Dwivedi, P[#]., Sharma, M[#]., Ansari, A[#]., Ghosh, A[#]., **Bishwal, S. C[#].,** Ray, S. K., ... & Singh, P. (2024). Molecular Characterization and Genomic Surveillance of SARS-CoV-2 Lineages in Central India. *Viruses*, 16(10), 1608. (**#Equal First Author**)
- 2) **Bishwal, S.,** Kumar, R., Minj, P., Godbole, S., Sahare, L., Ukey, M., & Barde, P. (2023). Use of dry blots for serotyping and genotyping of dengue viruses: A pilot study. *Journal of Vector Borne Diseases*, 60(1), 74-78.
- 3) Pacholi, S[#]., **Bishwal, S. C[#].,** & Barde, P. V. (2022). Identification of hepatitis B virus genotypes detected in Lahaul & Spiti district of Himachal Pradesh, India. *Indian Journal of Medical Research*, 156(6), 779-785. (**#Equal First Author**)
- 4) Sahu D., **Bishwal SC,** Malik MZ, Sahu S, Kaushik SR, Sharma S, Saini E, Arya R, Rastogi, A, Sharma S and Sen S, (2022). Troxerutin-Mediated Complement Pathway Inhibition is a Disease-Modifying Treatment for Inflammatory Arthritis. *Frontiers in cell and developmental biology*, 10, p.845457.
- 5) Sonkar A., **Bishwal SC,** Sharma R K, & Barde PV (2022). Prevalence of Hepatitis D virus antibodies in Hepatitis B patients treated at tertiary care unit at Jabalpur Central India. *Indian journal of medical microbiology*, 40(1), 132-134.

- 6) Pacholi S[#], **Bishwal SC[#]**, Barde PV, (2021). Molecular characterization of Hepatitis B virus detected in Lahaul and Spiti district of Himachal Pradesh, India (Manuscript under Review) **#Equal Contribution**.
- 7) Kumari N, **Biswal SC**, Chaudhary S, Malalkar D, Dubey US, Vasudevae P, Kumar A, Saxena S, Nanda R, and Agrawal U, (2021) Proteomics analysis in urinary bladder cancer patients identifies urinary SOD2 as a predictive marker of recurrence. **medRxiv**.
- 8) **Bishwal SC**, Das MK, Badireddy VK, Dabral D, Das A, Mahapatra AR, Sahu S, Malakar D, Singh I, Mazumdar H, Patgiri SJ, Deka T, Kapfo W, Liegise K, Kupa R, Debnath S, Bhowmik R, Debnath R, Behera RK, Pillai MG, Deuri P, Nath R, Khalo KP, Sing WA, Pandit B, Das A, Bhattacharya S, Behera D, Saikia L, Khamo V, and Nanda RK* (2019) Sputum Proteomics Reveals a Shift in Vitamin D-binding Protein and Antimicrobial Protein Axis in Tuberculosis Patients, **Scientific Reports** 9.1: 1036.
- 9) **Bishwal SC**, Nanda RK, Behera RK (2018) Sputum as a Diagnostic Matrix for Respiratory Disease Screening, **International Journal of Health Sciences and Research**: **8(6)**: 344-351
- 10) Das, M.K., Arya, R., Debnath, S., Debnath, R., Lodh, A., **Bishwal, SC.**, Das, A. and Nanda, R.K., (2016) Global urine metabolomics of first line tuberculosis drug treated patients and identification of a novel metabolite of ethambutol. **Antimicrobial agents and chemotherapy**, pp.AAC-02586.
- 11) Das MK, **Bishwal SC**, Das A, Dabral D, Badireddy VK, Pandit B, Varghese GM, Nanda RK (2015) Deregulated tyrosine–phenylalanine metabolism in pulmonary tuberculosis patients. **Journal of proteome research**, **14(4)**: pp.1947-1956.
- 12) Das MK, **Bishwal SC**, Das A, Dabral D, Varshney A, Badireddy VK, Nanda RK (2013) Investigation of gender-specific exhaled breath volatome in humans by GCxGC-TOF-MS. **Analytical chemistry**,**86(2)**: pp.1229-1237.
- 13) **Bishwal SC**, Patel DK, Patel S, Dehury S, Purohit P, Meher S, Padhan B, Das K (2012) Clinical Hematological and molecular characterization of Sickle Cell HbDPunjabin Eastern India, **Indian Journal of Hematology and Blood Transfusion**: Vol. 28;
- 14) Patel DK, Mashon RS, Patel S, Das BS, Purohit P, **Biswal SC**, Low dose hydroxyurea is effective in reducing the incidence of painful crisis and frequency of blood transfusion in sickle cell disease patients from eastern India, **Hemoglobin**: (2012) Vol. 36(5) : 409-420, 2012.

List of Book Chapter Published:

1. **Bishwal, S. C.**, & Niranjana, R. (2024). MicroRNAs and dengue viral disease. In **MicroRNA in Human Infectious Diseases** (pp. 123-133). Academic Press (ScienceDirect).
2. Das MK, Das A, **Bishwal SC**, Varshney A, Pendurthi S, Singh I, Singh WA, Varghese GM, Pandit B, Nanda RK (2016) GC × GC-TOFMS Measurement of Actively Sampled Indoor Air VOCs. In **Frontiers in Life Sciences**, Excel India Publishers, New Delhi.

List of National/International Seminars Attended/ Conducted during the last five years:

1. Presented poster at Virtual Live, Key Stone Symposia, USA during 1st- 2nd Dec 2020 on Asthma: New Discoveries and therapeutics in the Ages of COVID

National Seminars conducted: (01)

As a Convenor organised “National Seminar on Recent Advances in Life Sciences and Wildlife Conservation” at Department of Zoology, Model Degree College Nuapada, Khariar, Odisha, India (07th March 2025).

Membership in Professional bodies/ DRC during last 5 years: NIL

