Bio-data of Dr. Sushil Kumar Sahu

Name: Sushil Kumar Sahu

Designation: Assistant Professor

Department/Institute/University: Department of Zoology
Visva-Bharati (a Central University)
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Date of Birth: 25.03.1983 Sex (M/F): Male

Education

- Ph.D. in Life Science, Institute of Life Sciences (Dept of Biotechnology, Govt. of India), Utkal University, Odisha, India, 2008-2014
  Thesis title: Epstein-Barr virus nuclear antigen 3C and its role to counteract the host induced apoptosis in the cell during latency
- M.Sc. in Life Science (Zoology Stream), Sambalpur University, Odisha, India, 2004-2006
- B.Sc. Zoology (Hons.), Anchal College Padampur, Sambalpur University, Odisha, India, 2001-2004

Area of Expertise/interest

- Infectious disease biology
- Herpes virus replication and pathogenesis
- Tumor virology
- Retroviral infection and vaccine
- Antiviral drugs screening
- Cell cycle, Apoptosis, Cellular metabolism

Position

- Assistant Professor, Department of Zoology, Visva-Bharati, West Bengal, India (June 2022 - Present)
- Assistant Professor, Department of Zoology, School of Life Sciences, GIET University, Odisha, India (Dec 2020 - April 2022)

- Assistant Professor, Department of Zoology, School of Biological Sciences, AIPH University, Odisha, India (July 2020 -Dec 2020)
- Guest Faculty, Department of Zoology, Ravenshaw University,Odisha, India (Aug 2019 - May 2020)
- Postdoctoral Research Fellow, Johns Hopkins University,United States (July 2016-Feb 2019)
- Postdoctoral Research Fellow, University of Pennsylvania, United States (Jan 2015-Jun 2016)

Honors/ Awards

- ICMR International Travel Award 2012, Indian Council of Medical Research (ICMR), Govt. of India
- UGC-CSIR NET Junior Research Fellow 2007, Council of Scientific and Industrial Research (CSIR), Govt. of India
- GATE Life Sciences 2007, Indian Institute of Technology (IIT) Kanpur, Govt. of India

Member of Society and Reviewers

- Life member of Indian Science Congress association, Indian Immunology Society, The Cytometry Society of India, and Microbiologist Society
- Reviewer of Virus Disease (Springer), Mitochondrion (Elsevier), and Pharmacology and Toxicology (BMC)

Publications

1. Kumar M, Jalota A, Sahu SK, Haque S. Therapeutic antibodies for the prevention and treatment of cancer. J Biomed Sci. 2024,31(1):6.
2. Chatterjee K, Roy SD, Chakraborty K, Haque A, Chakrabarti S, Mukherjee S, Mal S, Das N, Sahu SK, et al. Lifestyle, Epstein-Barr virus infection, and other factors could impede nasopharyngeal cancer survivorship: a five-year cross-sectional study in North Eastern India. Virusdisease. 2022, 33(4):371-382.
3. Prasad BR, Sahu SK, Krushna PR. Bioconversion of Lignocellulosic Biomass into Bioethanol: A Sustainable Approach. Research Journal of Biotechnology. 2022. 17, 11
4. Mohanty S, Kumar A, Das P, Sahu SK, Mukherjee R, Ramachandranpillai R, Nair SS, Choudhuri T. Nm23-H1 induces apoptosis in primary effusion lymphoma cells via inhibition of NF-κB signaling through interaction with oncogenic latent protein vFLIP K13 of Kaposi's sarcoma-associated herpes virus. Cellular Oncology. 2022, 5:967-989.

5. Chatterjee K, De S, Deb Roy S, Sahu SK, Chakraborty A, Ghatak S, et al. BAX -248 G>A and BCL2 -938 C>A Variant Lowers the Survival in Patients with Nasopharyngeal Carcinoma and Could be Associated with Tissue-Specific Malignancies: A Multi-Method Approach. Asian Pacific journal of cancer prevention : APJCP 2021,22:1171-1181.
6. Panigrahi S, Panigrahy M, Kariali E, Dash SK, Sahu BB, Sahu SK, et al. MicroRNAs modulate ethylene induced retrograde signal for rice endosperm starch biosynthesis by default expression of transcriptome. Scientific reports 2021,11:5573.
7. Mahto H, Pati A, Sahu SK, Sharma HP, Padhi A, Panda AK. Association of MBL-2 gene polymorphisms with systemic lupus erythematosus: an updated meta-analysis and trial sequential analysis. Lupus 2020,29:1227-1237.
8. Meshesha M, Esadze A, Cui J, Churgulia N, Sahu SK, Stivers JT. Deficient uracil base excision repair leads to persistent dUMP in HIV proviruses during infection of monocytes and macrophages. PloS one 2020,15:e0235012.
9. Roy Chattopadhyay N, Chatterjee K, Tiwari N, Chakrabarti S, Sahu SK, Deb Roy S, et al. TLR9 Polymorphisms Might Contribute to the Ethnicity Bias for EBV-Infected Nasopharyngeal Carcinoma. iScience 2020,23:100937.
10. Roy Chattopadhyay N, Chakrabarti S, Chatterjee K, Deb Roy S, Sahu SK, Reddy RR, et al. Histocompatibility locus antigens regions contribute to the ethnicity bias of Epstein-Barr virus-associated nasopharyngeal carcinoma in higher-incidence populations. Scandinavian journal of immunology 2019,90:e12796.
11. Asthana M, Sahu SK, Kumar A, Mohanty S, Chakrabarti S, Das P, et al. Role of Interleukin 28B Polymorphisms in Response to Interferon Based Therapy for Hepatitis C Virus Clearance. Current drug metabolism 2018,19:215-223.
12. Kumar A, Mohanty S, Das P, Sahu SK, Rajasubramaniam S, Choudhuri T. 1, 25 (OH) 2 D3 Induces Reactivation and Death of Kaposi's Sarcoma-Associated Herpesvirus of Primary Effusion Lymphoma cells. Scientific reports 2017,7:12438.
13. Mohanty S, Kumar A, Das P, Sahu SK, Choudhuri T. Multi-targeted therapy of everolimus in Kaposi's sarcoma associated herpes virus infected primary effusion lymphoma. Apoptosis 2017,22:1098-1115.
14. Jha HC, Sun Z, Upadhyay SK, El-Naccache DW, Singh RK, Sahu SK, et al. KSHV-mediated regulation of Par3 and SNAIL contributes to B-cell proliferation. PLoS pathogens 2016,12:e1005801.
15. Sahu SK, Chakrabarti S, Roy S, Baishya N, Reddy R, Suklabaidya S, et al. Association of p53 codon72 Arg> Pro polymorphism with susceptibility to nasopharyngeal carcinoma: evidence from a case–control study and meta-analysis. Oncogenesis 2016,5:e225.

16. Mohanty S, Sahu SK, Chattopadhyay N, Kumar A, Choudhuri T. TAp63alpha Induced Apoptosis Inhibited by Kaposi's Sarcoma Herpesvirus Latency Nuclear Antigen. J Carcinog Mutagen 2015,6:2.
17. Kumar A, Sahu SK, Mohanty S, Chakrabarti S, Maji S, Reddy RR, et al. Kaposi sarcoma herpes virus latency associated nuclear antigen protein release the G2/M cell cycle blocks by modulating ATM/ATR mediated checkpoint pathway. PLoS One 2014,9:e100228.
18. Sahu SK, Mohanty S, Kumar A, Kundu CN, Verma SC, Choudhuri T. Epstein–Barr virus nuclear antigen 3C interact with p73: Interplay between a viral oncoprotein and cellular tumor suppressor. Virology 2014,448:333-343.
19. Sahu SK, Choudhuri T. Lack of association between Bax promoter (-248G> A) single nucleotide polymorphism and susceptibility towards cancer: evidence from a meta-analysis. PloS one 2013,8:e77534.
20. Preet R, Mohapatra P, Mohanty S, Sahu SK, Choudhuri T, Wyatt MD, et al. Quinacrine has anticancer activity in breast cancer cells through inhibition of topoisomerase activity. International journal of cancer 2012,130:1660-1670.
21. Choudhuri T, Murakami M, Kaul R, Sahu SK, Mohanty S, Verma SC, et al. Nm23-H1 can induce cell cycle arrest and apoptosis in B cells. Cancer biology & therapy 2010,9:1065-1078.

Book Chapters

1. Kumar A, Acharya D, Satapathy, Sahu SK. Iron Oxide Nanozyme in Biomedicine; Springer, 2024.
2. Sahu SK, Rana R, and Mallik AK. Usage of Engineered Virus-Like Particles in Drug Delivery; CRC press, 2022.
3. Sahu SK. Tools and Techniques for Recovery, Detection, and Inactivation of Foodborne Viruses; Food Molecular Microbiology, CRC press, 2019.
4. Pradhan AK, Sahu SK. Potential Applications of Nanotechnology, an Interface in Modern Science; Apple Academic Press, 2018.
5. Sahu SK, Kumar M. Application of Oncolytic Virus as a Therapy of Cancer; Springer, 2018.