

Curriculum Vitae

Personal Information

Name : Dr. Kaushik Bharati, PhD, MIDSA (USA), FRSPH (London)
Designation & Affiliation : Health Policy Consultant, UNESCO, New Delhi
Date and Place of Birth : October 14, 1969; Kolkata, India
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Education

Early Education: GCSE (Cambridge), Rhyl High School, Denbighshire, Wales, UK

Academic Qualifications

- **Post-Doctoral Fellowship in Molecular Biology and Immunology**: Liverpool School of Tropical Medicine, UK
- **PhD in Physiology; specialization in Vaccinology**: Calcutta School of Tropical Medicine, India
- **MSc in Physiology; specialization in Biochemistry**: Department of Physiology, University of Calcutta, India
- **BSc (Honours) in Physiology with Zoology and Chemistry**: City College, University of Calcutta, India

Diploma / Certification

- **Professional Diploma in Clinical Research**: Catalyst Clinical Services, Delhi, India
- **Animal Licensee Training Certification**: University of Liverpool, UK

Former Affiliations

1. **Senior Program Officer**: Translational Health Science and Technology Institute (THSTI), Faridabad, NCR Delhi, India
2. **Scientist – III**: National Institute of Immunology (NII), New Delhi, India
3. **Scientist – II**: National Institute of Immunology (NII), New Delhi, India
4. **Visiting Professor**: Departments of Physiology and Microbiology, Vidyasagar University, Midnapore, West Bengal, India (*Under the UGC-Merge Scheme, Government of India*)
5. **Scientific Consultant**: DBT Cell for UNESCO Regional Centre for Biotechnology & THSTI, NII Campus, New Delhi, India
6. **Project Associate**: Virology Laboratory, NII, New Delhi, India

Consultancy

1. WHO Headquarters, Geneva, Switzerland
2. WHO-SEARO, New Delhi, India
3. WHO-TDR, Geneva, Switzerland
4. Sanofi Pasteur, Lyon, France

5. Global Health Strategies, New York, USA
6. Policy Cures, Sydney, Australia
7. Science Advisory Board, Arlington, Virginia, USA

Publications

1. **Bharati K.** Treatment of psychological disorders in Parkinson's patients. *Yemen J Med.* 2025; 4(2): 1-3 (**National Society for Biomedical Research Development, Yemen**)
2. **Bharati K.** The recent crisis in WHO: What are the implications for global health policy? *Indian J Physiol Allied Sci.* 2025; 77(2): 3-6 (**Physiological Society of India, Kolkata, India**)
3. **Bharati K.** An overview of CRISPR-Cas9 technology. *Indian J Genet Mol Res.* 2025; 14(1): 7-11. (**Red Flower Publications, New Delhi, India**)
4. **Bharati K.** Pharmacotherapy for Parkinson's disease in the elderly. *Open Access J Frail Sci.* 2025; 3(1): 000115 (**Medwin Publishers, Novi, Michigan, USA**)
5. **Bharati K.** Development and evaluation of a snake vaccine in mice and rhesus monkeys. *Indian Science Cruiser* 2024; 38(4): 30-38. (**Institute of Science, Education, and Culture, Kolkata, India**)
6. **Bharati K.** Emergence of Long COVID: Threat to humanity persists! *EFI J* 2024; 2(3): 97-102. (**Epidemiology Foundation of India, New Delhi, India**)
7. **Bharati K.** Treatment strategies for elderly and frail COVID-19 patients. *Open Access J Frail Sci.* 2024; 2(1): 000113. (**Medwin Publishers, Novi, Michigan, USA**)
8. **Bharati K.** Neurological complications of COVID-19. *Acta Neurophysiologica* 2024; 5(3): 180074. (**Academic Strive Publishers, Troy, Michigan, USA**)
9. **Bharati K.** Sir U.N. Brahmachari: His life and his science. *Indian J Physiol Allied Sci* 2024; 76(2): 3-7. (**Physiological Society of India, Kolkata, India**)
10. **Bharati K.** Impact of COVID-19 on mental health. *Open Access J Behav Sci Psych* 2024; 7(2): 180101. (**Academic Strive Publishers, Troy, Michigan, USA**)
11. **Bharati K.** Features of COVID-19 in the elderly. *Open Access J Frail Sci* 2024; 2(1): 000109. (**Medwin Publishers, Novi, Michigan, USA**)
12. **Bharati K.** Challenges in management of elderly and frail Alzheimer's disease patients. *Open Access J Frail Sci* 2024; 2(1): 000106. (**Medwin Publishers, Novi, Michigan, USA**)
13. **Bharati K.** Zika virus: Still a threat to India! *Biochem News* 2024; 34(2): 2-3. (**Society of Biological Chemists, Bangalore, India**)
14. **Bharati K.** Strategies to improve the clinical efficacy of anticancer drugs. *Biochem News* 2024; 45(1): 1-2. (**Society of Biological Chemists, Bangalore, India**)
15. **Bharati K.** INSACOG: Its contribution to SARS-CoV-2 whole genome sequencing in India. *J Clin Genet Genom* 2023; 6(4): 01. (**Pulsus Publications, Windsor, Berkshire, UK**)
16. **Bharati K.** Impact of COVID-19 on oral healthcare. *J Dent Sci Oral Maxillofac Res* 2023; 6(3): 85. (**Ology Press, Budapest, Hungary**)

17. **Bharati K.** Development and evaluation of an inactivated Chikungunya virus vaccine. *Indian J Physiol Allied Sci* 2023; 75(3): 28-32. **(Physiological Society of India, Kolkata, India)**
18. **Bharati K.** Immune responses elicited by COVID-19 vaccines. *Asian J Biol Sci* 2023; 16(1): 89-102. **(Science International: SciOne, Dubai, UAE)**
19. **Bharati K.** Indian pharma industry: Despite progress, challenges remain. *J Clin Diag Treat* 2023; 5(1): 1. **(Pulsus Publications, Yee Lan Court, Singapore)**
20. **Bharati K.** Major pandemics in the history of mankind. *Indian Science Cruiser* 2023; 37(3): 13-21. **(Institute of Science, Education and Culture, Kolkata, India)**
21. **Bharati K.** Snakebite management in India: Challenges remain. *EFI Bull* 2023; 4(1): 32-34. **(Epidemiology Foundation of India, New Delhi, India)**
22. **Bharati K.** Current trends in therapeutics research for Alzheimer's disease. *Int J Alzheimer's Dis Res* 2023; 1(1): 01. **(Opast Publications, Overland Park, Kansas, USA)**
23. **Bharati K.** Are expired medicines safe to consume? *J Clin Pharma Med Res* 2023; 1(1): 1-4. **(Purenext Publications, Brampton, Ontario, Canada)**
24. **Bharati K.** Effect of plasmid size on the immune response to Japanese encephalitis virus DNA vaccine in mice. *Indian J Physiol Allied Sci* 2023; 75(1): 19-22. **(Physiological Society of India, Kolkata, India)**
25. **Bharati K.** Report of the 1st Dr. Rashbehari Sinha Memorial Lecture, Berhampore Girls' College, Berhampore, West Bengal. *Indian Science Cruiser* 2023; 37(3): 62-64. **(Institute of Science, Education, and Culture, Kolkata, India)**
26. Dutta M, **Bharati K.** Kala-azar in India: Current status and future prospects. *EFI J* 2023; 4(3): 83-88. **(Epidemiology Foundation of India, New Delhi, India)**
27. **Bharati K.** Report on National Science Day 2023 celebrated at Jhargram Raj College (Girls' Wing), Jhargram, West Bengal. *Indian Science Cruiser* 2023; 37(1): 64-65. **(Institute of Science, Education, and Culture, Kolkata, India)**
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30. Dey S, **Bharati K.** Obesity in India: Challenges and way forward. *Indian J Physiol Allied Sci* 2023; 75(3): 4-5. **(Physiological Society of India, Kolkata, India)**
31. Dhauria M, **Bharati K.** What you need to keep in mind while peer reviewing a medical research paper. *Trends Scholarly Publ* 2023; 2(1): 34-37. **(Science International: SciOne, Dubai, UAE)**
32. **Bharati K.** When will the COVID-19 pandemic end? *Indian J Physiol Allied Sci* 2022; 74(2): 19-24. **(Physiological Society of India, Kolkata, India)**
33. **Bharati K.** COVID-19 vaccines: Current status and future prospects. *Indian Science Cruiser* 2021; 35(5): 37-48. **(Institute of Science, Education and Culture, Kolkata, India)**
34. **Bharati K.** Padma awards 2021: Few doctors honored despite battling COVID-19. *Indian Science Cruiser* 2021; 35(2): 12-17. **(Institute of Science, Education and Culture, Kolkata, India)**

35. **Bharati K.** Mucormycosis: A rare yet serious fungal infection. *Biochem News* 2021; 34(2): 2-3. **(Society of Biological Chemists, Bangalore, India)**
36. **Bharati K.** History of coronaviruses: Why is it important in the context of COVID-19? *Indian Science Cruiser* 2020; 34(6): 6-10. **(Institute of Science, Education and Culture, Kolkata, India)**
37. **Bharati K.** Dr. Maharaj Kishan Bhan. *Science & Culture* 2020; 86(9-10): 335-6. **(Indian Science News Association, Kolkata, India)**
38. **Bharati K.** Is it safe to take expired medicines? *Biochem News* 2020; 31(3): 1-2. **(Society of Biological Chemists, Bangalore, India)**
39. **Bharati K.** What impact could the COVID-19 pandemic have on public health? *Indian Science Cruiser* 2020; 34(2): 47-53. **(Institute of Science, Education and Culture, Kolkata, India)**
40. **Bharati K, Garg A, Das S.** Challenges in delivering optimal healthcare to COVID-19 patients: Focus on Delhi, India. *J Clin Diagn Res* 2020; 14(9): AB01-AB03. **(Journal of Clinical and Diagnostic Research, New Delhi, India)**
41. Jain H, **Bharati K, Garg A, Das S.** Health strategies that could boost industrial productivity in India amidst the COVID-19 crisis. *J Clin Diagn Res* 2020; 14(7): AB01-AB04. **(Journal of Clinical and Diagnostic Research, New Delhi, India)**
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54. **Bharati K.** Kerala vaccination policy: Is it feasible for other states too? *Ideas for India* 26 September, 2018. **(Ideas for India, New Delhi, India)**
55. **Bharati K.** The resurgence of chikungunya in India: How should we tackle it? *Ideas for India* 1 March, 2018. **(Ideas for India, New Delhi, India)**
56. **Bharati K.** Recognition of snakebite as a neglected tropical disease: What does it mean for India? *Ideas for India* 10 October, 2017. **(Ideas for India, New Delhi, India)**
57. **Bharati K.** Zika virus: What is the current status? *Science & Culture* 2017; 83(5-61): 183-4. **(Indian Science News Association, Kolkata, India)**
58. **Bharati K.** Japanese encephalitis in Gorakhpur: Why has vaccination failed to make an impact? *Ideas for India* 18 September 2017. **(Ideas for India, New Delhi, India)**
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62. **Book:** Hati AK, Roy S, Saha B, **Bharati K**. *Basic Concepts in Immunology*, First Edition; January 2014. pp. 387. **(Allied Book Agency, Kolkata, India)**
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65. **Bharati K**, Bhattacharya SK. Cholera outbreaks in South-East Asia. *Curr Top Microbiol Immunol* 2014; 379: 87-116. **(Springer, Germany)**
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73. **Bharati K**, Ganguly NK. Cholera toxin: A paradigm of a multifunctional protein. *Indian J Med Res* 2011; 133: 179-87. **(Indian Council of Medical Research, New Delhi, India)**
74. **Bharati K**, Vrati S. Japanese encephalitis vaccines: current status and future prospects. *Proc Natl Acad Sci India* 2010; 80(Section-B; Part III): 179-89. **(The National Academy of Sciences, Allahabad, India)**
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77. **Bharati K**, Vrati S. Japanese encephalitis. In: Sharma SK, Singal RK, Agarwal AK (Eds.) *Monograph on Adult Immunization. The Association of Physicians of India.* 2009: 104-10. **(Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi, India)**
78. **Bharati K**, Rani R, Vrati S. Evaluation of Japanese encephalitis virus DNA vaccine candidates in rhesus monkeys [*Macaca mulatta*]. *Vaccine* 2009; 27 (1): 10-16. **(Elsevier, The Netherlands)**
79. **Bharati K**, Vrati S. Development of recombinant vaccines against Japanese encephalitis. In: Raghunath D, Durga Rao C (Eds.). *Arthropod Borne Viral Infections: Current Status and Research.* 2008: 259-83. **(Tata McGraw-Hill Publishing Company Limited, New Delhi, India)**
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81. **Bharati K**, Vrati. Japanese encephalitis: development of new candidate vaccines. *Expert Rev Anti Infect Ther* 2006; 4: 313-24. **(Taylor & Francis, UK)**
82. **Bharati K.** Avian influenza. *Environews* 2006; 9(3): 6-7. **(National Environmental Science Academy, New Delhi, India)**
83. **Bharati K.** DNA vaccines: Fast becoming a reality. *Biochem News* 2006; 14(2): 2-3. **(Society of Biological Chemists, Bangalore, India)**
84. **Bharati K.** Recombinant DNA technology in medicine. *Indian Science Cruiser* 2006; 20(5): 15-24. **(Institute of Science, Education and Culture, Kolkata, India)**
85. **Bharati K**, Appaiahgari M, Vrati S. Effect of cytokine-encoding plasmid delivery on immune response to Japanese encephalitis virus DNA vaccine in mice. *Microbiol Immunol* 2005; 49: 349-53. **(John Wiley & Sons, USA)**

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94. **Bharati K**, Hati AK. Russell and his viper. *Indian Science Cruiser* 2001; 15(3): 13-19. **(Institute of Science, Education and Culture, Kolkata, India)**
95. **Bharati K**, Hati AK. The origin of life on earth. *Science & Culture* 2001; 67(11-12): 365-8. **(Indian Science News Association, Kolkata, India)**
96. **Bharati K**. Cefuroxime axetil: An oral preparation. *Bull Drug Health Information* 2001; 8(2): 59-63. **(Foundation for Health Action, Kolkata, India)**
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98. **Bharati K**. How housewives can fight diarrhea. *Your Health* 2001; 50(4): 52-3. **(Indian Medical Association, New Delhi, India)**
99. **Bharati K**. Modern trends in cancer detection and screening. *Biochem News* 2001; 7(4): 3. **(Society of Biological Chemists, Bangalore, India)**
100. **Bharati K**. Acarbose. *Bull Drug Health Information* 2001; 7(6): 189-90. **(Foundation for Health Action, Kolkata, India)**
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2. **Bharati K.** Strategies for tackling Long COVID. *5th Annual National Conference of Epidemiology Foundation of India "EFICON 2024", Lucknow, India.* November 29-30, 2024. Plenary Lecture.
3. **Bharati K.** COVID-19 pandemic: Past, present and future. *33rd Annual Conference of the Physiological Society of India "Physicon 2022", Midnapore, India.* March 3-5, 2023. Plenary Lecture Abstract; PL-04; p. 29.
4. **Bharati K.** COVID-19 pandemic: The endgame. *International Conference on "Dual Missions of Research and Teaching: A Holistic View of Higher Education", Serampore, India.* December 5-7, 2022. Keynote Lecture Abstract; p. 7.
5. **Bharati K.** COVID-19 pandemic: When will it end? *31st Annual Conference of the Physiological Society of India "Physicon 2019": An Extension Program, Bankura, India.* November 18-20, 2022. Plenary Lecture Abstract; PL-07.
6. **Bharati K.** When will the COVID-19 pandemic end? *32nd Annual Conference of the Physiological Society of India "Physicon 2021", Berhampore, India.* March 14-16, 2022. Oration Abstract; p. 7.
7. **Bharati K.** History of coronaviruses – Prelude to the COVID-19 pandemic. *Two-Day International Webinar on History of Science, Kolkata, India.* January 27-28, 2020. Invited Lecture Abstract; p. 25.
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10. **Bharati K.** Stress due to arboviral infections – Strategies for alleviation. *23rd Annual National Conference of the Physiological Society of India "Physicon 2011", Chinakakani, Guntur, Andhra Pradesh, India.* December 21-23, 2011. Invited Lecture Abstract; p. 51.
11. **Bharati K.** Recombinant vaccines for Japanese encephalitis – Novel molecular strategies. *International Conference on Molecules to Systems Physiology: 100 Years Journey (ICMSP100), Centenary Celebration of the Department of Physiology, University of Calcutta, Kolkata, India.* September 21-23, 2011. Abstract Lead Lecture-15; p. 35.
12. **Bharati K, Ganguly NK.** Factors influencing HPV vaccine introduction in India: A policy analysis. *4th Biennial Conference of the Asia Oceania research organisation on Genital Infections and Neoplasia (AOGIN 2010), New Delhi, India.* March 26-28, 2010. Abstract P-087; p. 117.
13. **Bharati K, Vrati S.** Immunogenicity in rhesus monkeys of a DNA vaccine candidate encoding the envelope protein of Japanese encephalitis virus. *7th Asia-Pacific Congress of Medical Virology (APCMV), New Delhi, India.* November 13-15, 2006. Abstract VCI-4; p. 99.
14. Alka, **Bharati K, Malik YPS, Vrati S.** Immunogenicity of the domain III of Japanese encephalitis virus envelope protein in mice. *7th Asia-Pacific Congress of Medical Virology (7thAPCMV), New Delhi, India.* November 13-15, 2006. Abstract VCI-5; p. 99.
15. Hasson S, **Bharati K, Theakston RDG, Harrison RA.** Cloning and epidermal immunization with genes encoding *Echis ocellatus* viper venom Zn metalloproteinase and disintegrin molecules. *DNA*

Vaccines 2002 – The Gene Vaccine Conference. October 23-25, 2002. The Royal College of Physicians of Edinburgh, Edinburgh, Scotland, UK.

16. **Bharati K**, Harrison RA, Theakston RDG. Molecular cloning of snake venom toxins for DNA immunization of mice by gene gun. *14th Annual Conference of the Physiological Society of India, Serampore, India.* November 15-16, 2002. Abstract D-3.
17. **Bharati K**. Active immunization of rhesus monkeys with gamma irradiated Russell's viper venom toxoid. *Proceedings of the 88th Indian Science Congress, New Delhi, India.* 2001, Young Scientists' Award Programme Abstract; p. 54-56.
18. **Bharati K**, Hati AK. A prophylactic vaccine against Russell's viper venom – Prediction of efficacy in humans. *12th Annual Conference of the Physiological Society of India, Salt Lake City, Kolkata, India.* December 22-23, 2000, Abstract FC 22; p. A-27.
19. **Bharati K**, Mukherjee H, Das SC, Hati AK. Survival of monkeys immunized with Russell's viper venom toxoid after lethal challenge of the venom. *12th Annual Conference of the Physiological Society of India, Salt Lake City, Kolkata, India.* December 22-23, 2000, Abstract RA 1; p. A-13.
20. **Bharati K**, Hati AK. A comparative trial of gamma irradiated Russell's viper venom toxoid in mice, rabbits and rhesus monkeys. *3rd Congress of the Federation of Indian Physiological Societies (FIPS), Kolkata, India.* November 24-26, 2000. Abstract 6.14; p. 59.
21. **Bharati K**, Hati AK. Toxoidation of cobra venom by the coupled action of glutaraldehyde and gamma radiation. *10th Annual Conference of the Physiological Society of India, Varanasi, India.* December 4-6, 1998. Abstracts: Free Papers Session II: Pharmacology and Toxicology; p. 18.
22. **Bharati K**, Hati AK. Immunization of monkeys with gamma irradiated Russell's viper venom toxoid. *9th Annual Conference of the Physiological Society of India, Burdwan, West Bengal, India.* 1997. Abstracts p. 23.
23. **Bharati K**, Hati AK, Banerjee A, Basu D, Mukherjee H, Hati RN, et al. Protein content of variably irradiated Russell's viper venom. *Proceedings of the 83rd Indian Science Congress, Patiala, India.* January 3-7, 1996. Advance Abstracts; Section of Medical & Veterinary Sciences: V. Biotechnology, Cytopathology and Cytogenetics; Abstract 39; p. 26.
24. **Bharati K**, Banerjee A, Basu D, Mukherjee H, Hati AK. Effect of long-term storage on the protein content and lethality of Russell's viper venom. *9th All India Congress of Zoology, Burdwan, India.* September 26-28, 1995. Section: Biochemistry, Histochemistry and Reproductive Biology; Abstract BHR-6; p. 28.
25. **Bharati K**, Banerjee A, Basu D, Mukherjee H, Hati AK. Gross changes in individual organs of primate after experimental supralethal Russell's viper envenomation. *9th All India Congress of Zoology, Burdwan, India.* September 26-28, 1995. Section: Biochemistry, Histochemistry and Reproductive Biology; Abstracts BHR-7; p. 29.

Projects Completed

1. "Development of a Systematic Review / Meta-analysis on Rotavirus Diarrhea". **Funded by WHO, Geneva, Switzerland.** March 2014 – June 2014.
2. "A Study to Suggest Methodologies to Develop Norms and Standards for Classification of Health R&D Needs of Developing Countries, as a follow-up of the CEWG Recommendations". **Funded by WHO-SEARO, New Delhi, India.** May – June, 2013.
3. "Mapping of the Resource Requirements for Basic Science and Biomedical Research for Development of Drugs, Diagnostics, Vaccines, and Implants". **Funded by the Department of**

- Biotechnology, Ministry of Science & Technology, Government of India.** January 10, 2012 – June 13, 2013.
4. “Mapping of DBT Funding in Neglected Tropical Diseases for 2010-2011”. **Funded by the Bill & Melinda Gates Foundation, Seattle, Washington, USA.** July 11 – August 11, 2011.
 5. “Designing of a Unit of Policy Research based on Definitive Set of Proposals Spanning a Broad Spectrum of Health Technology Issues”. **Funded by the Department of Biotechnology, Ministry of Science & Technology, Government of India.** November 15, 2010 – March 15, 2012.
 6. “Mapping of National Centers / Institutes on Tropical Diseases in India”. **Funded by WHO-SEARO, New Delhi, India.** June 1, 2010 – September 30, 2010.
 7. “Mapping of the Product R&D Landscape for Infectious Tropical Diseases in India: Part of the Proposed Asian Network for Drugs and Diagnostics Innovation”. **Funded by WHO-TDR, Geneva, Switzerland.** January 1, 2010 – May 31, 2010.
 8. “Development of a DNA Vaccine for Japanese Encephalitis”. **Funded by the Department of Biotechnology, Ministry of Science & Technology, Government of India.** January 2003 – September 2008.
 9. “Development of a DNA Vaccine for Saw-scaled Viper”. **Funded by the Dr. P.N. Berry Educational Trust, London, UK.** January 2001 – December 2003.
 10. “Trial of a Gamma Irradiated Russell’s Viper Venom Toxoid in Rhesus Monkeys”. **Funded by the Department of Science & Technology, Government of West Bengal, Kolkata, India.** March 1995 – September 2000.

Meetings Attended

1. Annual General Meeting. September 11, 2025. Royal Society for Public Health (RSPH), London, UK.
2. Annual General Meeting. September 12, 2024. Royal Society for Public Health (RSPH), London, UK.
3. 10th Annual Meeting of Asian Council of Science Editors (ACSE). August 18, 2024. Khalidia Palace Hotel, Deira Dubai, UAE.
4. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 27, 2024. Birla Industrial and Technological Museum (BITM), Kolkata, India.
5. Annual General Meeting. July 13, 2024. Physiological Society of India (PSI), Kolkata, India.
6. WHO Meeting on “Asia Pacific Roadmap on EMTCT of HIV, Syphilis, and Hepatitis B”. May 10, 2024. WHO-SEARO, New Delhi, India.
7. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). February 17, 2024. ISEC Headquarters, Kolkata, India.
8. Annual General Meeting. September 21, 2023. Royal Society for Public Health (RSPH), London, UK.
9. Annual General Meeting. June 18, 2023. Physiological Society of India (PSI), Kolkata, India.
10. Annual General Meeting. October 18, 2022. Royal Society for Public Health (RSPH), London, UK.
11. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 9, 2022. Birla Industrial and Technological Museum (BITM), Kolkata, India.

12. Annual General Meeting. September 26, 2021. Indian Public Health Association, JIPMER, Puducherry, India.
13. Annual General Meeting. September 15, 2021. Royal Society for Public Health (RSPH), London, UK.
14. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 9, 2021. Birla Industrial and Technological Museum (BITM), Kolkata, India.
15. Annual General Meeting. September 10, 2020. Royal Society for Public Health (RSPH), London, UK
16. E-Panel Discussion on “Finding the Way Forward in the COVID-19 Pandemic: Spotlight India”. June 20, 2020. Indian Public Health Association (IPHA), AIIMS, New Delhi, India.
17. Annual General Meeting. March 2, 2020. Indian Public Health Association (IPHA), AIIMS, New Delhi, India.
18. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 9, 2020. Birla Industrial and Technological Museum (BITM), Kolkata, India.
19. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 9, 2019. Birla Industrial and Technological Museum (BITM), Kolkata, India.
20. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 9, 2018. Birla Industrial and Technological Museum (BITM), Kolkata, India.
21. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 9, 2017. Birla Industrial and Technological Museum (BITM), Kolkata, India.
22. Annual General Meeting of the Institute of Science, Education, and Culture (ISEC). July 9, 2016. Birla Industrial and Technological Museum (BITM), Kolkata, India.
23. WHO-SEARO: Meeting of Experts for Developing a Strategic Work Plan as a follow-up of Consultative Expert Working Group (CEWG) on Research and Development: Financing and Coordination. July 25-26, 2013. Dusit Thani Hotel, Bangkok, Thailand.
24. Second Meeting of the Initiative against Diarrheal and Enteric diseases in Asia (IDEA). September 26-29, 2012. Meliã Purosani Hotel, Yogyakarta, Indonesia.
25. Second Meeting of the Core Group on “Medical Devices”, Office of the Principal Scientific Adviser to the Government of India. June 9, 2012. Vigyan Bhawan Annexe, New Delhi, India.
26. First Meeting of the Core Group on “Medical Devices”, Office of the Principal Scientific Adviser to the Government of India. April 18, 2012. Vigyan Bhawan Annexe, New Delhi, India.
27. Discussion Meeting with Industries on Validation and Testing Facilities for Medical Devices and Implants. April 16, 2012. Biotechnology Industry Research Assistance Council (BIRAC), New Delhi, India.
28. First Meeting of the Board of Governors of the UNESCO Regional Center for Biotechnology. February 26, 2009. India Habitat Centre, New Delhi, India.
29. Expert Group Meeting for forming Consensus Recommendations on Adult Immunization in India. December 6-7, 2008. All India Institute of Medical Sciences (AIIMS), New Delhi, India.

Conferences, Symposia, Seminars and Webinars Attended

1. National Webinar on “Towards a Tobacco-Free India: The Role of Taxation in Curbing the Epidemic”. September 9, 2025. Organized by the Resource Centre for Tobacco Control (RCTC), Department of Community Medicine and School of Public Health, PGIMER, Chandigarh, India.
2. 11th Annual Conference of Asian Council of Science Editors. February 25, 2025, Dubai, UAE.
3. Symposium on “COVID-19 Pandemic and the Way Forward”. September 16-17, 2022. BITS-Pilani (K.K. Birla Goa Campus), Goa, India.
4. 65th Annual National Conference of Indian Public Health Association (IPHACON 2021). September 23 - September 26, 2021. Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry, India.
5. 64th Annual National Conference of Indian Public Health Association (IPHACON 2020). February 29 - March 2, 2020. All India Institute of Medical Sciences (AIIMS), New Delhi, India.
6. International Symposium on “Accelerating India’s Response to Research for a Preventive HIV Vaccine”. August 13-14, 2012. NDMC Convention Center, New Delhi, India.
7. Seminar on “Economic Growth and National Integration”. March 27, 2012. India International Center, New Delhi, India.
8. International Symposium: “Vaccines: From Discovery to Translation”. November 14-17, 2011. Claridges Hotel, Surajkund, Delhi NCR, India.
9. 2011 Grand Challenges Meeting. November 4-7, 2011. Taj Palace Hotel, New Delhi, India.
10. First Global Forum on Bacterial Infections – “Balancing Treatment Access and Antibiotic Resistance”. October 3-5, 2011. India Habitat Centre, New Delhi, India.
11. 1st National Conference on Animal, Microbial, Plant Toxins and Snakebite Management “Biotoxins in Health and Disease” (AMPTOX 2010). Jointly organized by Indian Institute of Chemical Biology and KPC Medical College and Hospital. December 11-12, 2010. KPC Medical College and Hospital, Kolkata, India.
12. National Seminar on “Gender, Technology and Communication”. May 10-11, 2010. Organized by *Vigyan Prasar* and National Science Centre, New Delhi, India.
13. “Emerging Infectious Diseases (EID) 2009”. December 8-11, 2009. Duke-NUS Graduate Medical School & Ministry of Health, Singapore.
14. “Cervical Cancer Control in India”. Organized by the Cancer Foundation of India. December 4, 2009. The Park Hotel, Kolkata, India.
15. “Conjugate Vaccines for Enteric Fever”. Hosted by the Novartis Vaccines Institute for Global Health (NVGH) under the aegis of the Indian Council of Medical Research (ICMR) and the BLK Memorial Hospital. November 30-December 1, 2009. Hotel Avalon Courtyard, New Delhi, India.
16. Global Antibiotic Resistance Partnership (GARP) – India Inaugural Meeting. “Antibiotic Resistance in India: Current Status and Avenues for Policy Change”. August 24-25, 2009. India Habitat Centre, New Delhi, India.
17. The First Symposium on Human Papillomavirus Vaccination in Asia-Pacific and Middle East Regions. Organized by the International Vaccine Institute (IVI). June 1-2, 2009. Lotte Hotel Seoul, Seoul, Republic of Korea.

18. Biennial Conference (Interim) of Asia Oceania research organization on Genital Infections and Neoplasia (AOGIN). April 25-26, 2009. Hyatt Regency, Kolkata, India.
19. International Symposium on Human Papillomavirus-Associated Cancers: Translating Research into Cancer Prevention and Medicine. November 1-3, 2008. Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, India.
20. INDO-US Symposium on Viral Diagnostics, Epidemiology and Pathogenesis. Organized by the All India Institute of Medical Sciences (AIIMS). November 11-12, 2006. Indian Council of Social Science Research (ICSSR), New Delhi, India.

Workshops Conducted

1. Workshop on “Manuscript Preparation and Beyond”. December 4, 2024. Organized by South Asian Association of Physiologists (SAAP) at SAAP IX Biennial Conference 2024, University of Lahore, Pakistan.

Workshops Attended

1. Workshop on “Science Communication for Writing Popular Science for Print and Web”. August 30-31, 2018. Jointly organized by the Indian Science Congress Association (ISCA), Zakir Husain Delhi College, and *Vigyan Prasara*. Zakir Husain Delhi College, New Delhi, India.
2. CME on “Gynecological Oncology Update for Practicing Gynecologists”. January 3, 2016. Jointly organized by FOGSI Oncology & TT Committee & AOGD Oncology Committee. India Habitat Center, New Delhi, India.
3. Workshop on “Data Management, Analysis and Interpretation in Quantitative Health Research”. November 26-29, 2013. Organized by the Public Health Foundation of India (PHFI). Indian Institute of Public Health (IIPH) Delhi, India.
4. BIRAC – CDSA Regulatory Meet: Demystifying Indian Regulations for Product Approvals. Second Workshop of the Series. Regulatory Requirements for Biopharmaceuticals – From Science to Commercialization. July 30-31, 2013. India Habitat Centre, New Delhi, India.
5. Workshop on Cytology and HPV Testing. March 26, 2010. The Taj Palace Hotel, New Delhi, India.

Conferences, Seminars and Webinars Organized

1. National Engineer’s Day Webinar on “Deep Tech & Engineering Excellence: Driving India’s Techade”. September 15, 2025. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
2. South Asian Association of Physiologists (SAAP) Webinar on “Research Methodology”. August 9, 2025. Jointly organized by the SAAP Research & Publication Subcommittee and South Asian Centre of Excellence in Physiology Education and Research (SACE-ER), New Delhi, India.
3. National Doctor’s Day Webinar on “Beyond the Mask: Caring for Caregivers”. July 1, 2025. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
4. PSI Online Lecture Series Webinar on “Essential Techniques in Immunology”. May 24, 2025. Organized by the Education Committee, Physiological Society of India.
5. National Science Day Webinar on “Empowering Indian Youth for Global Leadership in Science and Innovation for *Viksit Bharat*”. February 28, 2025. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.

6. 16th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Physiological Pathway Underlying Pain and Storage of Aversive Memories”. December 27, 2024. Jointly organized by the SAAP Research Subcommittee and Department of Physiology, University of Karachi, Pakistan.
7. National Mathematics Day Webinar on “Explore, Learn and Inspire”. December 22, 2024. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
8. 15th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Sir Andrew Fielding Huxley”. November 27, 2024. Jointly organized by the SAAP Research Subcommittee and Bangladesh Society of Physiologists.
9. 14th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “The Role of Respiratory Impedance Measurement in the Evaluation of Respiratory Symptoms - Dedicated to Griffith Pugh”. October 23, 2024. Jointly organized by the SAAP Research Subcommittee and Physiological Society of Sri Lanka.
10. 13th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Vitamin Deficiency to Defense: Disease Dynamics - Dedicated to Albert Szent-Györgyi”. September 29, 2024. Jointly organized by the SAAP Research Subcommittee and Physiological Society of Nepal.
11. National Engineer’s Day Webinar on “Engineering Solutions for a Sustainable World”. September 15, 2024. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
12. 12th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Charles Richet: His Scientific Contributions and Recent Trends in Viral Vaccines”. August 28, 2024. Jointly organized by the SAAP Research Subcommittee and Education Committee, Physiological Society of India.
13. 11th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Neuropsychiatric Disorders: Disease and Treatment-Associated Obesity and Metabolic Syndromes - Dedicated to William F. Ganong Jr”. July 24, 2024. Jointly organized by the SAAP Research Subcommittee, Department of Physiology, University of Karachi, and Department of Biological and Biomedical Sciences, Aga Khan University, Pakistan.
14. National Doctor’s Day Webinar on “Wings & Stethoscopes: Healers of Hope”. July 1, 2024. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
15. 10th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Sir Henry Hallett Dale”. June 26, 2024. Jointly organized by the SAAP Research Subcommittee and Bangladesh Society of Physiologists.
16. PSI Online Lecture Series Webinar on “Immunology: An Overview”. June 22, 2024. Organized by the Education Committee, Physiological Society of India.
17. 9th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Cardiac Autonomic Functions and Gastric Motility in Children with Functional Abdominal Pain Disorders” - Dedicated to Willem Einthoven. May 22, 2024. Jointly organized by the SAAP Research Subcommittee and Physiological Society of Sri Lanka.
18. 8th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Cardiac Reactivity to 12.5% of MVC in a Dynamometer - Dedicated to William Harvey. April 26, 2024. Jointly organized by the SAAP Research Subcommittee and Physiological Society of Nepal.
19. 7th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Emil A. von Behring: His Contributions and Current Trends in Immunotherapy Research”.

- March 27, 2024. Jointly organized by the SAAP Research Subcommittee and Education Committee, Physiological Society of India.
20. 6th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “The Neuro-Epigenetic Connection: Signals of Change in Health, Obesity, and Beyond - Dedicated to Ulf von Euler”. February 29, 2024. Jointly organized by the SAAP Research Subcommittee and Department of Physiology, University of Karachi, Pakistan.
 21. National Science Day Webinar on “Science for a Sustainable Future”. February 28, 2024. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 22. 5th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Sir John Carew Eccles: Neurophysiologist and Nobel Laureate”. February 3, 2024. Jointly organized by the SAAP Research Subcommittee and Bangladesh Society of Physiologists.
 23. National Mathematics Day on “Mathematics for Everyone”. December 22, 2023. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 24. 4th Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Effect of Meditation on Metabolism” - Dedicated to Theodor Schwann”. December 13, 2023. Jointly organized by the SAAP Research Subcommittee and Physiological Society of Sri Lanka.
 25. 3rd Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Sir Charles Sherrington and his Contributions to the Concept of Synapses”. November 22, 2023. Jointly organized by the SAAP Research Subcommittee and Physiological Society of Nepal.
 26. 2nd Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Otto Warburg: His Contributions to Oncology and Recent Advances in Cancer Research”. October 25, 2023. Jointly organized by the SAAP Research Subcommittee and Education Committee, Physiological Society of India.
 27. 1st Regional Webinar of South Asian Association of Physiologists (SAAP) Research Subcommittee on “Journey into the Heart: Celebrating Dr. Guyton’s Cardiovascular Legacy and Ongoing Research - Dedicated to Arthur C. Guyton”. September 27, 2023. Jointly organized by the SAAP Research Subcommittee and Department of Physiology, University of Karachi, Pakistan.
 28. National Engineer’s Day Webinar on “Engineering for a Sustainable Future”. September 15, 2023. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 29. National Science Day Webinar on “New Frontiers in Science & Technology”. February 28, 2023. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 30. Webinar on “Impact of COVID-19 Pandemic on the Education System”. August 20, 2022. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 31. International Webinar on “Women Scientists in Biology & Medicine”. June 4, 2022. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 32. National Science Day Webinar on “New Frontiers in Science & Technology”. February 28, 2022. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 33. Webinar on “National Mathematics Day – From Statistics to Machine Learning”. December 22, 2021. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
 34. National Webinar on “COVID-19 Diagnostics, Vaccines and Therapeutics: Current Status and Future Prospects”. November 21, 2020. Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.

35. 7th Asian Conference on Lactic Acid Bacteria (ACLAB7) “Lactic Acid Bacteria as Growth Engine for Economy and Integrated Industries”. September 6-8, 2013. Organized under the patronage of the Asian Federation of Societies for Lactic Acid Bacteria (AFSLAB) and the Translational Health Science and Technology Institute (THSTI), India Habitat Centre, New Delhi, India.
36. Meeting on “Cholera, Typhoid and Polio – From Products, to Policy, to Practice”. April 4, 2013. Jointly organized by the National Institute of Immunology and BIRAC, India Habitat Centre, New Delhi, India.
37. “Regional Meeting on Dengue Prevention and Control”. September 17-19, 2012. National Institute of Immunology, New Delhi, India.
38. “Meeting on Diagnostics of Public Health Importance in India”. February 21, 2012. National Institute of Immunology, New Delhi, India.
39. “Pneumococcal Symposium – Gaps and Future Strategies”. January 19, 2012. Jointly organized by the National Institute of Immunology, Global Health Strategies Pvt. Ltd., New Delhi, and Johns Hopkins Bloomberg School of Public Health, USA. The Claridges, New Delhi, India.
40. “Rotavirus Symposium”. March 26, 2011. Jointly organized by the National Institute of Immunology, New Delhi, and Global Health Strategies Pvt. Ltd., New Delhi. National Institute of Immunology, New Delhi, India.
41. WHO-TDR Meeting on “Mapping of Health Products R&D Landscape for Infectious Tropical Diseases in India”. April 15-16, 2010, National Institute of Immunology, New Delhi, India.

GenBank® Submissions (National Center for Biotechnology Information, National Institutes of Health, Bethesda, Maryland, USA)

Complete Genome Sequence:

1. **Chikungunya Virus:** Gujarat Isolate (Isolate IND-06-Guj) 11,829 bp linear RNA; Accession: JF274082.1 GI: 326902023 (<https://www.ncbi.nlm.nih.gov/nuccore/JF274082.1?report=GenBank>)

Complete Nucleotide Sequences: Snake Venom Phospholipases A₂

1. **Sindh Carpet Viper:** *Echis carinatus sochureki* acidic phospholipase A₂ (PLA₂-4) mRNA, complete cds; 420 bp linear mRNA; Accession: AF539919.1 GI: 25992660 (<https://www.ncbi.nlm.nih.gov/nuccore/AF539919.1?report=GenBank>)
2. **Leakey’s Carpet Viper:** *Echis pyramidum leakeyi* acidic phospholipase A₂ (PLA₂-5) mRNA, complete cds; 420 bp linear mRNA; Accession: AF539920.1 GI:25992662 (<https://www.ncbi.nlm.nih.gov/nuccore/AF539920.1?report=GenBank>)
3. **African Ocellated Carpet Viper:** *Echis ocellatus* acidic phospholipase A₂ (PLA₂-5) mRNA, complete cds; 417 bp linear mRNA; Accession: AF539921.1 GI:25992664 (<https://www.ncbi.nlm.nih.gov/nuccore/AF539921.1?report=GenBank>)

Partial Nucleotide Sequences: Snake Venom C-Type Lectins

1. **Puff Adder:** *Bitis arietans* C-typelectin CTL-1 mRNA, partial cds 438 bp linear mRNA; Accession: AY254325.1 GI:33243071 (<https://www.ncbi.nlm.nih.gov/nuccore/AY254325.1?report=GenBank>)
2. **Puff Adder:** *Bitis arietans* C-type lectin CTL-8 mRNA, partial cds 444 bp linear mRNA; Accession: AY254329.1 GI:33243079 (<https://www.ncbi.nlm.nih.gov/nuccore/AY254329.1?report=GenBank>)

Invited Lectures

1. "Essential Techniques in Immunology". Special Invited Lecture delivered on May 24, 2025. Organized by the Education Committee, Physiological Society of India, Kolkata, India.
2. "Long COVID: The Next Frontier". Plenary Lecture delivered on February 28, 2025 at HP-Scientific Talk - 2025. International Conference on Sustainable Health: Translational Research from Molecules to Behavioral Aspects. Organized by Department of Human Physiology, Vidyasagar University in association with Physiological Society of India, Midnapore, India.
3. "Strategies for Tackling Long COVID". Plenary Lecture delivered on November 29, 2024 at 5th Annual National Conference of Epidemiology Foundation of India (EFICON 2024). Organized by Department of Community Medicine and Public Health, King George's Medical University, Lucknow, India.
4. "Sir U.N. Brahmachari: The Man and the Scientist". Special Invited Lecture delivered on August 25, 2024. Jointly Organized by North Kolkata Choturangan Academy, National Environmental Science Academy (NESA), and Indian Science News Association (ISNA), Kolkata, India.
5. "Immunology: An Overview". Special Invited Lecture delivered on June 22, 2024. Organized by the Education Committee, Physiological Society of India, Kolkata, India.
6. "Sir Upendranath Brahmachari: His Life and His Science". Sir U.N. Brahmachari's 150th Birth Anniversary Lecture delivered on December 19, 2023. Organized by the Physiological Society of India, Kolkata, India.
7. "COVID-19 Pandemic: The Last Mile" Special Invited Lecture delivered on December 10, 2023 at BRAIN Healthcon 2023. Organized by Brainware University, Kolkata, India.
8. "Space Physiology" Special Invited Lecture delivered on July 13, 2023 on the "89th Foundation Day of the Physiological Society of India". Organized by the Physiological Society of India, Kolkata, India.
9. "Physiological Aspects in Space" delivered on June 21, 2023. Organized by the Pakistan Physiological Society, Islamabad, Pakistan.
10. "Effects of Climate Change on Renal Physiology" delivered on May 31, 2023. Organized by the Pakistan Physiological Society, Islamabad, Pakistan.
11. "Laboratory Techniques in Immunology" Keynote Lecture delivered on April 24, 2023. Organized by the Department of Medical Laboratory Technology, Seacom Skills University, Bolpur, Shantiniketan, India.
12. "COVID-19 Pandemic: Past, Present and Future" Plenary Lecture delivered on March 5, 2023. Organized by the Department of Human Physiology, Vidyasagar University, Midnapore, India.
13. "Snakebite and its Management – The Indian Scenario" 1st Dr. Rashbehari Sinha Memorial Lecture delivered on March 2, 2023. Organized by the Department of Physiology, Berhampore Girls' College, Berhampore, India.
14. "Ending the COVID-19 Pandemic – Challenges & Prospects" National Science Day Keynote Lecture delivered on February 28, 2023. Organized by the Department of Bioscience, Jhargram Raj College (Girls' Wing), Jhargram, India.
15. "Snake, Snakebite and its Management" Special Invited Lecture delivered on February 28, 2023. Organized by the Department of Bioscience, Jhargram Raj College (Girls' Wing), Jhargram, India.

16. "COVID-19 Vaccines vs Variants: Who Will Win the Battle?" Invited Scientific Lecture delivered on December 6, 2022. Organized by the Department of Physiology and IQAC, Harimohan Ghose College, Kolkata, India.
17. "COVID-19 Pandemic: The Endgame" Keynote Lecture delivered on December 5, 2022. International Conference on "Dual Missions of Research and Teaching: A Holistic View of Higher Education". Organized by Research Cell and IQAC, Serampore College, Serampore, India.
18. "COVID-19 Pandemic: When will it End?" Plenary Lecture delivered on November 18, 2022. Organized by the Department of Physiology, Bankura Christian College, Bankura, India.
19. "COVID-19 Vaccines: Key Players in the Endgame" delivered on September 17, 2022. Organized by BITS-Pilani (K.K. Birla Goa Campus), Goa, India.
20. "When Will the COVID-19 Pandemic End?" delivered on March 14, 2022. Organized by the Department of Physiology, Berhampore Girls' College, Berhampore, India.
21. "Emerging Viral Diseases: The Indian Scenario" delivered on January 7, 2022. Organized by UGC-Human Resource Development Centre (HRDC), University of Calcutta, Kolkata, India.
22. "COVID-19 Vaccines: Challenges and Prospects" delivered on July 12, 2021. Organized by the Department of Biochemistry, Shivaji College, University of Delhi, New Delhi, India.
23. "Snake, Snakebite and its Management" delivered on March 14, 2021. Organized by the North Kolkata Choturangan Academy and National Environmental Science Academy, West Bengal Chapter, Kolkata, India.
24. "COVID-19 Vaccines & Vaccination" delivered on February 27, 2021. "A Webinar on Impact of COVID-19 Pandemic on Academics: From Molecules to Minds". Organized by the Department of Physiology and IQAC, Harimohan Ghose College, Kolkata, India.
25. "COVID-19 Vaccines" delivered on November 21, 2020. "National Webinar on COVID-19 Diagnostics, Vaccines and Therapeutics: Current Status and Future Prospects". Organized by the Institute of Science, Education and Culture (ISEC), Kolkata, India.
26. "History of Coronaviruses: Prelude to the COVID-19 Pandemic" delivered on July 27, 2020. "Two-Day International Webinar on History of Science". Organized by the Department of Chemistry, Shri Shikshayatan College and Institute of Science, Education and Culture (ISEC) in collaboration with the Indian Chemical Society, Kolkata, India.
27. Dr. Murali Mohan Biswas Memorial Lecture on "Snake, Snakebite and its Management" delivered on July 7, 2018. Organized by the Institute of Science, Education and Culture (ISEC), Birla Industrial & Technological Museum (BITM), Kolkata, India.
28. "Zika Virus: Is it a Threat to India?" delivered on March 23, 2018. Tenth Science Communications' Meet. Theme: "Vector Borne Diseases in the 21st Century – Role of Science Communicators". Organized jointly by the Indian Science News Association and *Vigyan Prasara*, DST, Government of India, Kolkata, India.
29. "Aids for the Visually Impaired – Prospects, Gaps, and Challenges" delivered on February 28, 2017, on National Science Day: "Science & Technology for Persons with Disability". Organized by the Indian Science Congress Association (Delhi Chapter), Hansraj College and Non-Collegiate Women's Education Board, Hansraj College, New Delhi, India.
30. "What is Japanese Encephalitis?" delivered on January 31, 2016 at the Golden Jubilee Celebrations of Physiology Honours Teaching in City College, Kolkata, India.

31. "Why is Cholera Vaccine Not Used in India?" delivered on January 13, 2014 at the Third Meeting of the Initiative against Diarrheal and Enteric diseases in Asia (IDEA). January 14-17, 2014. Taal Vista Hotel, Tagaytay City, Philippines.
32. "Cancer Biology" delivered on February 28, 2013 at the Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India.
33. "Human Genome Project" delivered on February 27, 2013 at the Department of Human Physiology, Midnapore, West Bengal, India.
34. "Introduction of Oral Cholera Vaccine in India – Issues, Challenges and Opportunities" delivered on September 26, 2012 at the Second Meeting of the Initiative against Diarrheal and Enteric diseases in Asia (IDEA). September 26-29, 2012. Meliã Purosani Hotel, Yogyakarta, Indonesia.
35. "Stress Due to Arboviral Infections – Strategies for Alleviation" delivered on December 22, 2011 at the 23rd Annual National Conference of the Physiological Society of India "Physicon 2011", Department of Physiology, NRI Medical College & General Hospital, Chinakakani, Guntur, Andhra Pradesh, India.
36. "Recombinant Vaccines for Japanese Encephalitis – Novel Molecular Strategies" Lead Lecture delivered on September 22, 2011 at the International Conference on Molecules to Systems Physiology: 100 Years Journey (ICMSP100), Centenary Celebration of the Department of Physiology, University of Calcutta, Kolkata, India.
37. "Immunology: The Basics" delivered on August 18, 2011 at *Vigyan Prasar*, Department of Science & Technology, New Delhi, India.
38. "Venomous Snakes of India" delivered on March 23, 2011 at *Vigyan Prasar*, Department of Science & Technology, New Delhi, India.
39. "Snake, Snakebite, and its Management" delivered on January 19, 2010 at *Vigyan Prasar*, Department of Science & Technology, New Delhi, India.
40. "Issues on Introduction of HPV Vaccine in India" delivered on February 7, 2009 at the International Symposium "Access to HPV Vaccines: Human Rights and Global Health". Organized by Boston University School of Law, Boston, Massachusetts, USA.
41. "Virology: The Basics" delivered on October 29, 2009 at *Vigyan Prasar*, Department of Science & Technology, New Delhi, India.
42. "Viruses and Human Disease" delivered on February 20, 2009 at *Vigyan Prasar*, Department of Science & Technology, New Delhi, India.
43. "Recommendations for Japanese Encephalitis Vaccine" delivered on December 6, 2008 at the All India Institute of Medical Sciences (AIIMS), New Delhi, India.
44. "Molecular Strategies to Develop Toxin Specific Antivenom" delivered on February 11, 2002 at the National Center for Biological Sciences (NCBS), Bangalore, India.

Chairman / Judge, Conference Session

1. Chaired Online Plenary Lecture Session on February 28, 2025 at the HP-Scientific Talk - 2025. International Conference on Sustainable Health: Translational Research from Molecules to Behavioral Aspects, Vidyasagar University, Midnapore, India.

2. Chaired Plenary Lecture Session on March 1, 2025 at the HP-Scientific Talk - 2025. International Conference on Sustainable Health: Translational Research from Molecules to Behavioral Aspects, Vidyasagar University, Midnapore, India.
3. Judged Final Oral Presentation Competition on March 1, 2025 at the HP-Scientific Talk - 2025. International Conference on Sustainable Health: Translational Research from Molecules to Behavioral Aspects, Vidyasagar University, Midnapore, India.
4. Judged Poster Presentation Session on February 28, 2025 at the HP-Scientific Talk – 2025. International Conference on Sustainable Health: Translational Research from Molecules to Behavioral Aspects, Vidyasagar University, Midnapore, India.
5. Judged Best Oral Presentation Competition (Selected from oral presentations) on March 5, 2023 at the 33rd Annual Conference of the Physiological Society of India (Physicon-2022), Vidyasagar University, Midnapore, India.
6. Chaired the Invited Lecture and Oral Presentation Sessions on March 5, 2023 at the 33rd Annual Conference of the Physiological Society of India (Physicon-2022), Vidyasagar University, Midnapore, India.
7. Judged Final Poster Presentation and Competition – Best 15 (5 from each session) on March 5, 2023 at the 33rd Annual Conference of the Physiological Society of India (Physicon-2022), Vidyasagar University, Midnapore, India.
8. Chaired the Plenary Lecture Session on March 4, 2023 at the 33rd Annual Conference of the Physiological Society of India (Physicon-2022), Vidyasagar University, Midnapore, India.
9. Judged Poster Presentation and Competition-II (PP 51-73) on March 4, 2023 at the 33rd Annual Conference of the Physiological Society of India (Physicon-2022), Vidyasagar University, Midnapore, India.
10. Chaired the Invited Lecture and Oral Presentation Sessions on March 3, 2023 at the 33rd Annual Conference of the Physiological Society of India (Physicon-2022), Vidyasagar University, Midnapore, India.
11. Judged Poster Presentation (Preliminary round: 01-25) on March 3, 2023 at the 33rd Annual Conference of the Physiological Society of India (Physicon-2022), Vidyasagar University, Midnapore, India.
12. Chaired Seminar as Judge of Lectures Delivered by BSc Students on December 6, 2022. Organized by the Department of Physiology and IQAC, Harimohan Ghose College, Kolkata, India.
13. Chaired the Plenary Lecture Session on December 5, 2022. Speaker: Prof. Nimai Chandra Saha, Vice Chancellor, University of Burdwan. International Conference on “Dual Missions of Research and Teaching: A Holistic View of Higher Education”. Organized by Research Cell and IQAC, Serampore College, Serampore, India.
14. Chaired the Plenary Lecture Session on December 5, 2022. Speaker: Prof. Ashutosh Ghosh, Vice Chancellor, Rani Rashmoni Green University. International Conference on “Dual Missions of Research and Teaching: A Holistic View of Higher Education”. Organized by Research Cell and IQAC, Serampore College, Serampore, India.
15. Chaired the Plenary Lecture Session VII on November 20, 2022 at the 31st Annual Conference of the Physiological Society of India: An Extension Program, Bankura Christian College, Bankura, India.
16. Chaired the Plenary Lecture Session IV on November 19, 2022 at the 31st Annual Conference of the Physiological Society of India: An Extension Program, Bankura Christian College, Bankura, India.

17. Chaired the Plenary Lecture Session III on November 18, 2022 at the 31st Annual Conference of the Physiological Society of India: An Extension Program, Bankura Christian College, Bankura, India.
18. Chaired the Invited Lecture Session-5 on March 15, 2022 at 32nd Annual Conference of the Physiological Society of India, Berhampore Girls' College, Berhampore, India.
19. Chaired session at Webinar on "History of Science" on July 28, 2020. Organized by the Department of Chemistry, Shri Shikshayatan College and Institute of Science, Education and Culture (ISEC) in collaboration with the Indian Chemical Society, Kolkata, India.
20. Chaired the "Shakuntala Dasgupta Memorial Oration 2012" on December 13, 2012 at the 24th Annual Conference of the Physiological Society of India, Andhra Medical College, Visakhapatnam, India.

Resource Person

1. Indian Science Congress Association (ISCA), Delhi Chapter, Department of Science & Technology, Ministry of Science & Technology, Government of India, New Delhi, India.
2. *Vigyan Prasar*, Department of Science & Technology, Ministry of Science & Technology, Government of India, New Delhi, India.
3. Faculty Refresher Course, UGC-Human Resource Development Centre (HRDC), University of Calcutta, Kolkata, India.
4. Faculty Development Program (FDP), Department of Allied Health Sciences, Brainware University, Kolkata, India.

Interviews

1. Pathak S. A locally-made HPV vaccine in India faces hesitancy and delays. Published in the magazine "Undark", Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA on September 13, 2023. Article Link: <https://undark.org/2023/09/13/a-locally-made-hpv-vaccine-in-india-faces-hesitancy-and-delays/>
2. RSPH Member Spotlight, Royal Society for Public Health (RSPH), London, UK on July 25, 2022. Article Link: <https://www.rsph.org.uk/about-us/news/rsph-member-spotlight-dr-kaushik-bharati.html>
3. Senior K. Is Japanese encephalitis control achievable by 2013? *Lancet Infect Dis* 2008; 8: 534. Article Link: [https://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(08\)70196-8/fulltext](https://www.thelancet.com/journals/laninf/article/PIIS1473-3099(08)70196-8/fulltext)

News Programs

1. Special Talk on "Snake, Snakebite and its Treatment" (in Bengali), delivered on October 1, 2020. *Krishi Sahitya* News Channel, Krishnanagar, West Bengal, India. YouTube Link: https://www.youtube.com/watch?v=zhJ2_Vaiz_I&list=PLDVyTBY8DbFbAaZdNS1hD3bs5HA_Js7o5&ab_channel=%E0%A6%95%E0%A7%83%E0%A6%B7%E0%A6%BF%E0%A6%B8%E0%A6%BE%E0%A6%B9%E0%A6%BF%E0%A6%A4%E0%A7%8D%E0%A6%AF
2. Special Talk on "COVID-19" (in Bengali), delivered on November 17, 2020. The Fourth Lane News Channel, Kalyani, West Bengal, India. YouTube Link: https://www.youtube.com/watch?v=eDMDFAEr1hY&t=1296s&ab_channel=thefourthlane

Online Programs

1. Special Invited Lecture on “Essential Techniques in Immunology”, delivered on May 24, 2025. Organized by the Education Committee, Physiological Society of India, Kolkata, India. YouTube Link: https://www.youtube.com/watch?v=JTIYeavrHIU&t=3363s&ab_channel=PSIOfficial
2. Special Invited Lecture on “Immunology: An Overview”, delivered on June 22, 2024. Organized by the Education Committee, Physiological Society of India, Kolkata, India. YouTube Link: https://www.youtube.com/watch?v=2Wc3rE-W3M&t=1721s&ab_channel=PSIOfficial

Online Speeches

1. Speech on “Rethinking AI Peer Review” delivered on the occasion of “Peer Review Week 2025” at the Asian Council of Science Editors (ACSE), Dubai, UAE. YouTube Link: <https://www.youtube.com/watch?v=C175KZDkOlw>
2. Speech on the occasion of “Public Health Workforce Week 2025” at the Royal Society for Public Health (RSPH), London, UK. Link: <https://www.linkedin.com/feed/update/urn:li:activity:7385038326489268224/>

Correspondence

- Bharati K. Letter from Kaushik Bharati to James D. Watson. *CSHL Archives Repository*. Reference No. JDW/2/2/666/42; Link: <https://libgallery.cshl.edu/items/show/38014>

Memberships

Fellow / Member

1. Fellow, Royal Society for Public Health, London, UK (Since January, 2020)
2. Chairman, South Association of Physiologists (SAAP) Research and Publication Subcommittee, Colombo, Sri Lanka (Since January, 2025)
3. Chairman, South Asian Association of Physiologists (SAAP) Research Subcommittee, Colombo, Sri Lanka (Since September, 2023 – January, 2025)
4. Chairman, Seminar Committee, Institute of Science, Education and Culture, Kolkata, India (Since November, 2021)
5. Co-Chair, Scientific Committee, SAAP IX Biennial Conference 2024, University of Lahore, Pakistan (Since June, 2024 – December, 2024)
6. Vice President, Physiological Society of India, Kolkata, India (Since March, 2024)
7. Advisor, Education Committee, Physiological Society of India, Kolkata, India (Since April, 2024)
8. Honorary Member, Asian Council of Science Editors, Dubai, UAE (Since September, 2021)
9. Initiative against Diarrheal and Enteric diseases in Asia (IDEA), Lyon, France (September, 2012 – January, 2014)
10. Special Invitee, Sub-Committee of the Core Group on “Medical Devices”, Government of India (July 4, 2012)
11. Advisory Board on Infectious Diseases, WebmedCentral, Newcastle upon Tyne, UK (Since November, 2011)
12. The Science Advisory Board, Arlington, Virginia, USA (Since February, 2011)

13. Expert Group on Adult Immunization in India, Association of Physicians of India, New Delhi, India (December, 2008)
14. Sanofi Pasteur Directory of Scientific and Medical Experts in the field of Vaccines and Vaccination, Lyon, France (Since April, 2012)
15. Electron Microscope Society of India, Kolkata, India (Since September, 1996)
16. Bombay Natural History Society, Mumbai, India (Since April, 2000)
17. Foundation for Health Action, Kolkata, India (Since February, 2001)

Life Member

1. Epidemiology Foundation of India, New Delhi, India (Since 21 December, 2022)
2. Indian Public Health Association, Kolkata, India (Since 17 March, 2017)
3. Indian Science Congress Association, Kolkata, India (Since 25 July, 1996)
4. Indian Science News Association, Kolkata, India (Since 26 July, 2000)
5. Institute of Science, Education and Culture, Kolkata, India (August, 2000)
6. Physiological Society of India, Kolkata, India (Since 15 May, 1996)
7. Indian Immunology Society, New Delhi, India (Since 2010)
8. Asia Oceania research organization on Genital Infections & Neoplasia, India Chapter (AOGIN-India), New Delhi, India (Since 2009)
9. National Environmental Science Academy, New Delhi, India (Since 16 July, 2021)

Editorial Board Member

1. **Editor-in-Chief**, Journal of Clinical Genetics and Genomics, Windsor, Berkshire, UK (Since March, 2023)
2. **Editor-in-Chief**, South Asian Association of Physiologists (SAAP) Bulletin, Colombo, Sri Lanka (Since February, 2023)
3. **Editor**, Public Health and Epidemiology: Open Access, Las Vegas, Nevada, USA (Since April, 2025)
4. **Editor**, International Journal of Dentistry and Oral Biology, Dover, Delaware, USA (Since January, 2025)
5. **Editor**, Open Access Journal of Behavioral Science and Psychology, Troy, Michigan, USA (Since September, 2024)
6. **Editor**, Journal of Clinical Images & Reports, Coventry, West Midlands, UK (Since October, 2024)
7. **Editor**, Journal of University College of Medicine and Dentistry, Lahore, Pakistan (Since October, 2024)
8. **Editor**, International Journal of Research in Biological Sciences, Claymont, Delaware, USA (Since March, 2024)
9. **Editor**, Journal of Neonatal Research and Pediatric Care, Troy, Michigan, USA (Since September, 2024)
10. **Editor**, Open Access Journal of Frailty Science, Novi, Michigan, USA (Since March, 2024)
11. **Editor**, Journal of Emergency Medicine: Open Access, Overland Park, Kansas, USA (Since June 2023)
12. **Editor**, Journal of Clinical Diagnosis and Treatment, Yee Lan Court, Singapore (Since February, 2023)

13. **Editor**, Open Access Journal of Disease and Global Health, Overland Park, Kansas, USA (Since May, 2023)
14. **Editor**, Clinical Medicine Research, New York, USA (February, 2022 - January, 2024)
15. **Editor**, Journal of Clinical, Medical and Diagnostic Research, Overland Park, Kansas, USA (Since January 2024)
16. **Editor**, Science Digest, Faisalabad, Pakistan (Since January, 2024)
17. **Editor**, International Journal of Alzheimer's Disease Research, Overland Park, Kansas, USA (Since September, 2022)
18. **Editor**, Open Access Journal of Clinical Pharmacology and Medical Research, Brampton, Ontario, Canada (Since November, 2022)
19. **Editor**, Trends in Medical Research, Dubai, UAE (Since September, 2021)
20. **Editor**, Asian Journal of Biological Sciences, Dubai, UAE (Since August, 2022)
21. **Editor**, Asian Journal of Emerging Research, Dubai, UAE (Since August, 2022)
22. **Editor**, Trends in Scholarly Publishing, Dubai, UAE (September, 2022 - December, 2023)
23. **Editor**, Journal of Current Emergency Medicine Reports, Meerut, India (Since July, 2022)
24. **Managing Editor**, Indian Journal of Physiology and Allied Sciences, Kolkata, India (Since November, 2021)
25. **Editor**, Medicine and Pharmacology: Open Access, Overland Park, Kansas, USA (Since October, 2023)
26. **Editor**, WebmedCentral *plus*, Newcastle upon Tyne, UK (Since April, 2012)
27. **Editor**, Indian Science Cruiser, Kolkata, India (Since May, 2011)
28. **Editor**, International Journal of Medical Research and Education, Mumbai, India (August, 2016 - July, 2020)
29. **Section Editor**, Medindia, Chennai, India (January, 2015 - June, 2021)
30. **Senior Editor**, Journal of Clinical and Diagnostic Research, New Delhi, India (Since September, 2011)
31. **Associate Editor**, National Journal of Laboratory Medicine, New Delhi, India (Since July, 2012)
32. **Associate Editor**, Journal of Advanced Medical and Dental Sciences Research, Amritsar, India (Since June, 2014)
33. **Associate Editor**, BOHR International Journal of Current Research in Dentistry, Chennai, India (August, 2020 - November, 2023)
34. **Assistant Editor**, International Journal of Medical Research and Review, Bhopal, India (Since November, 2015)

PhD Examiner

1. University of Calcutta, Kolkata, India (Physiology, Zoology)
2. Lincoln University College, Kota Bharu, Kelantan, Malaysia (Medical Physiology)

Office Bearer

1. Ambassador, Asian Council of Science Editors, Dubai, UAE
2. Chairman, South Asian Association of Physiologists (SAAP) Research and Publication Subcommittee, Colombo, Sri Lanka (Since 2025)

3. Chairman, South Asian Association of Physiologists (SAAP) Research Subcommittee, Colombo, Sri Lanka (2023-2025)
4. Vice President, Physiological Society of India, Kolkata, India (Since 2024)
5. Member, Executive Council, Institute of Science, Education and Culture (ISEC), Kolkata, India (Since 2012)
6. Chairman, Seminar Committee, Institute of Science, Education and Culture (ISEC), Kolkata, India (Since 2021)

Journal Reviewer Panel

1. Scientific Reports (Nature Portfolio), Berlin, Germany
2. Pediatric Research (Nature Portfolio), Berlin, Germany
3. Cancer Nanotechnology, New York, USA
4. Antimicrobial Agents and Chemotherapy, Washington DC, USA
5. Medical Science Monitor, New York, USA
6. Expert Opinion on Biological Therapy, Abingdon-upon-Thames, Oxfordshire, UK
7. Therapeutic Advances in Vaccines, Thousand Oaks, California, USA
8. Drug Discovery Today, Amsterdam, The Netherlands
9. International Journal of Adolescent Medicine and Health, Berlin, Germany
10. Key Opinions in Medicine, Hoboken, New Jersey, USA
11. Archives of Medicine, London, UK
12. Open Life Sciences, Warsaw, Poland
13. Asian Pacific Journal of Tropical Medicine, Haikou, Hainan, China
14. Current Science, Bengaluru, India
15. Journal of Animal Science and Veterinary Medicine, Oleh, Nigeria
16. Indonesia Journal of Public Health, South Sulawesi, Indonesia

Awards and Distinctions

1. Elected Member, Infectious Diseases Society of America (2025), Arlington, Virginia, USA
2. Elected Member, American Society of Clinical Oncology (2024), Alexandria, Virginia, USA
3. Elected Fellow, Royal Society for Public Health (2020), London, UK
4. 1st Dr. Rashbehari Sinha Memorial Lecture (2023): Awarded by the Department of Physiology, Berhampore Girls' College, Berhampore, India.
5. Shakuntala Dasgupta Memorial Oration (2021): Awarded by the Physiological Society of India, Berhampore, India
6. NESI Eminent Scientist of the Year (2021): Awarded by the National Environmental Science Academy, New Delhi, India
7. Top Peer Reviewer Award (2019): Category – Cross Field, Awarded by Clarivate Analytics, Philadelphia, Pennsylvania, USA
8. Publons Global Peer Review Award (2018): Awarded by Publons; Category – Cross Field, Wellington, New Zealand

9. Dr. Murali Mohan Biswas Memorial Lecture (2018): Awarded by the Institute of Science, Education and Culture (ISEC), Kolkata, India
10. Certificate of Appreciation (2018): Awarded by Journal of Clinical and Diagnostic Research, New Delhi, India
11. Publons Global Peer Review Award (2017): Awarded by Publons; Category – Medicine, Wellington, New Zealand
12. Publons Global Peer Review Award (2017): Awarded by Publons; Category – Biochemistry, Genetics and Molecular Biology, Wellington, New Zealand
13. Dr. Siddhartha Debnath Memorial Oration (2012): Awarded by the Physiological Society of India, Visakhapatnam, India
14. Bharat Jyoti Award (2012): Awarded by the India International Friendship Society, New Delhi, India
15. Dr. P.N. Berry Educational Trust Scholarship (2001-2002): London, UK
16. Vidyasagar University Young Scientist Award (2002): Awarded by the Physiological Society of India, Serampore, India
17. ISCA Young Scientist Award (2001): Awarded by the Indian Science Congress Association, New Delhi, India
18. Professor B.B. Sarkar Memorial Research Prize (2000): Awarded by the Physiological Society of India, Kolkata, India
19. Certificate of Merit (1982): Rhyl High School, Rhyl, Denbighshire, Wales, UK