

Department of Biotechnology

Departmental Activities (Last Three AY)

National / International Seminar organized by Department of Biotechnology		
Name of the Program	Organizer	Date
Virtual National Conference on New Horizons in Biotechnology (NHBT-2021)	Department of Biotechnology, Haldia Institute of Technology	19-20 April, 2021
One week International Students' Seminar & Model Presentation on Stepping down from Research to the world of Reality : An outcome based approach	Department of Biotechnology in association with IQAC, Haldia Institute of Technology	30 May - 6 June, 2022
National Conference on Emerging Trends and application of Green Technologies for Sustainable Development (Green Tech - 2022)	Department of Chemical Engineering, Biotechnology & Food Technology in association with IQAC, Haldia Institute of Technology	21-22 November, 2022
Virtual National Conference on New Horizons in Biotechnology (NHBT-2023)	Department of Biotechnology, Haldia Institute of Technology in Association with IQAC, HIT, Haldia Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata	16-17 March, 2023
One day National Seminar on Microbial Marvels: Unveiling the Hidden World of Biotechnology and Inauguration of HIT student Chapter Microbiologists society	Department of Biotechnology of Haldia Institute of Technology in association Microbiologists Society, India & IQAC, HIT, Haldia	5th October, 2023

Workshop organized by Department of Biotechnology		
Name of the Program	Organizer	Date
Workshop on Biotechnology based essential arenas on Microbiology, Molecular Biology and Tissue Culture Techniques	Department of Biotechnology, Haldia Institute of Technology	17 January, 2020
Virtual Workshop on Intellectual Property Rights (IPR) and Entrepreneurship	Department of Biotechnology, Haldia Institute of Technology	12-13 May, 2021
Five days virtual workshop on Molecular Diagnostics Tools	Department of Biotechnology, Haldia Institute of Technology in association with inDNA Lifesciences, Bhubaneswar	14-18 December, 2021
Two days workshop on Bioinformatics: from Basic to Advance	Department of Biotechnology, Haldia Institute of Technology in association with Department of Botany and Computer Science, Prabhat Kumar College Contai	11-12 March, 2022
Two days workshop on Meditation as Medicine	Department of Biotechnology, Haldia Institute of Technology	22-23 March, 2023

Faculty & Staff Development Program		
Name of the Program	Organizer	Date
5 Days Virtual Staff Development Program on SOFT SKILLS	Department of Biotechnology, Haldia Institute of Technology	5-9 October, 2020
One week Faculty & Staff Development Program on Personality Development through Life Enlightenment Skills	Department of Biotechnology, Haldia Institute of Technology	26-30 April, 2021
One week Faculty & Staff Development Program on Development of Emotional Well-being and Overall Health	Department of Biotechnology in association with IQAC, Haldia Institute of Technology	7-11 March, 2022
One week online FDP on Computational Approach to Molecular Docking and Drug Designing & Its scope in the Entrepreneurial World	Department of Biotechnology in association with IQAC, Haldia Institute of Technology	25-29 July, 2022

Webinar organized by Department of Biotechnology			
Name of the Program	Date	Distinguished Speakers	Organizer
Microbial threat and human lifestyle as a Global Concern for human existence and emerging solutions to these challenges	6 June, 2020	Prof. Binay Chaubey Professor, University of Calcutta	Department of Biotechnology, Haldia Institute of Technology
Conscious Way of Living for Personal Growth	18 July, 2020	Mr. Ashish Kalawar Pramukh Acharya of Samarpan Meditation	Department of Biotechnology, Haldia Institute of Technology
Potential prospects in B-tech/M-tech Biotechnology in the New Post-COVID Era - 1	30 August, 2020	Dr. Subhasish Dutta Assistant Professor, Haldia Institute of Technology Ms. Sumedha Chottopadhyay Senior Scientist, TCG Lifescience, Kolkata Mr. Shubham Chakravarty Assistant Professor, Vijaybhoomi University, Maharashtra	Department of Biotechnology, Haldia Institute of Technology
Potential prospects in B-tech/M-tech Biotechnology in the New Post-COVID Era - 2	6 September, 2020	Dr. Ankita Sarkar Cornell University, USA Ms. Shresta Roy Goswami Research Fellow, University of Toronto, Canada Mr. Koustav Das Research Fellow, Advanced centre for Treatment Research & Education in Cancer at Tata Memorial	Department of Biotechnology, Haldia Institute of Technology
Potential prospects in B-tech/M-tech Biotechnology in the New Post-COVID Era - 3	13 September, 2020	Mr. Abhijit Ghorai Research Scientist, Lupin Ltd., Pune Dr. Sourish Ghosh Research Fellow, National Institute of Health, Bethesda, USA	Department of Biotechnology, Haldia Institute of Technology

Potential prospects in B-tech/M-tech Biotechnology in the New Post-COVID Era - 4	20 September, 2020	Dr. Arpan Deb Senior Scientific Manager, GVK Biosciences Pvt. Ltd. Mr. Sujoy Rano M.Tech Student, Haldia Institute of Technology	Department of Biotechnology, Haldia Institute of Technology
The Future prospects of Biotechnology in Research and Development sector	27 September, 2020	Dr. Suchismita Chatterjee Fellow Researcher, National Cerebral and Cardiovascular Centre Research Institute, Japan Ms. Mrityika Roy Scientist, Vantage Research, Chennai Ms. Sneha Das Executive, Biocon Biologics, Bangalore	Department of Biotechnology, Haldia Institute of Technology
Industrial Prospects of Biotechnology	18 October, 2020	Mr. Amarto Das Gupta Scientist, Cura TeQ Biologies Pvt. Ltd., Hyderabad Dr. Krishnendu Chatterjee Business Development Manager, Infinity Blockchain Lab, Taiwan Dr. Swarnendu Chandra Senior Scientist, Gaiagen Technologies Pvt. Ltd., Karnataka	Department of Biotechnology, Haldia Institute of Technology

Invited Talk organized by Department of Biotechnology				
Name of the Pogram	Topic of the Special Lecture Series	Date	Distinguished Speakers	Organizer
NHBT 2021	Evolving role of mass spectrometry in modern biomedical research and biopharmaceuticals	19.04.2021	Dr. Gopa Mitra Associate Professor, Division of Molecular Medicine, Clinical Proteomics Unit, St John's Research Institute, St John's National Academy of Health Sciences, Bangalore, India	Department of Biotechnology, Haldia Institute of Technology
NHBT 2021	Next Generation Drug Development	19.04.2021	Dr. Katharina Paulick Scientist & Head, High throughput Bioprocess Development Lab (HTBD), Technical University, Berlin, Germany	Department of Biotechnology, Haldia Institute of Technology
NHBT 2021	Role of metabolons in sculpting fitness landscape of the bacterial Dihydrofolate Reductase enzyme	19.04.2021	Dr. Sanchari Bhattacharyya Research Associate, Department of Chemistry and Chemical Biology, Harvard University,	Department of Biotechnology, Haldia Institute of Technology

			Cambridge, USA	
NHBT 2021	Vaccine development	20.04.2021	Dr. Swapan Kumar Jana Director , R&D and Production, Dept. of Pneumococcal Polysaccharide Conjugate Vaccine (PPCV), Serum Institute of India Pvt. Ltd., India	Department of Biotechnology, Haldia Institute of Technology
NHBT 2021	Tracking Footprints of Viruses: Revealing Alternative Modes of Viral Exit from Host Cell	20.04.2021	Dr. Sourish Ghosh Postdoctoral Research Fellow, National Institute of Health, Bethesda, Maryland, USA	Department of Biotechnology, Haldia Institute of Technology
NHBT 2021	Combating antibiotic resistance: New model, newer strategies novel directions	20.04.2021	Dr. Saugata Hazra Assistant Professor, Department of Biotechnology, Centre for Nanotechnology, Indian Institute of Technology Roorkee, India	Department of Biotechnology, Haldia Institute of Technology
NHBT 2021	Hybrid Graphene Oxide Nano-Architecture for Selective Detection and Treatment of Cancer	20.04.2021	Dr. Sudarson Sekhar Sinha Postdoctoral Research Fellow, Department of Materials and Interfaces, Weizman Institute of Science, Israel	Department of Biotechnology, Haldia Institute of Technology
NHBT 2021	Regulatory role of microRNA-29a (miR-29a) in pancreatic ductal adenocarcinoma	20.04.2021	Dr. Shatovisha Dey Postdoctoral Research Fellow , Indiana University School of Medicine, Indianapolis, Indiana, USA	Department of Biotechnology, Haldia Institute of Technology
NHBT 2021	Biophysics as a stepping-stone to understand genotype-phenotype relationship	20.04.2021	Dr. Bharat Adkar Research Associate, Department of Chemistry and Chemical Biology, Harvard University, Cambridge, USA	Department of Biotechnology, Haldia Institute of Technology
Special Lecture Series	Genetics of Cancer (Alteration in the cell cycle and gene mutations that cause cancer)	25.10.2021	Dr. Runa Sur Assistant Professor, Biophysics, Molecular Biology and Bioinformatics, University of Calcutta	Department of Biotechnology, Haldia Institute of Technology
Special Lecture Series	Host-parasite interactions and stage conversion in Entamoeba: Progress and new insights	20.11.2021	Dr. Dipak Manna Ramalingaswami Fellow, School of Biotechnology, Presidency University	Department of Biotechnology, Haldia Institute of Technology
One week International	Genome analysis	30.05.2022	Prof. (Dr.) Pranab Roy Senior Consultant,	Department of Biotechnology,

<p>Students' Seminar & Model</p> <p>Presentation on Stepping down from Research to the world of Reality: An outcome based approach</p>			<p>Institute of Child Health, Kolkata, West Bengal, India</p>	<p>Haldia Institute of Technology In association with Internal Quality Assurance Cell, Haldia</p>
<p>One week International Students' Seminar & Model</p> <p>Presentation on Stepping down from Research to the world of Reality: An outcome based approach</p>	<p>Making research the reality</p>	<p>30.05.2022</p>	<p>Dr. Sourish Ghosh Senior Scientist, Indian Institute of Chemical Biology (IICB), Kolkata, West Bengal, India</p>	<p>Department of Biotechnology, Haldia Institute of Technology In association with Internal Quality Assurance Cell, Haldia</p>
<p>One week International Students' Seminar & Model</p> <p>Presentation on Stepping down from Research to the world of Reality: An outcome based approach</p>	<p>Molecular Modeling</p>	<p>31.05.2022</p>	<p>Dr. Supratik Kar Assistant Professor, Department of Chemistry, Kean University, USA</p>	<p>Department of Biotechnology, Haldia Institute of Technology In association with Internal Quality Assurance Cell, Haldia</p>
<p>One week International Students' Seminar & Model</p> <p>Presentation on Stepping down from Research to the world of Reality: An outcome based approach</p>	<p>Transporters in Drug discovery</p>	<p>01.06.2022</p>	<p>Dr. Sagnik Chatterjee Senior Researcher, Ferring Pharmaceuticals, Copenhagen, Denmark</p>	<p>Department of Biotechnology, Haldia Institute of Technology In association with Internal Quality Assurance Cell, Haldia</p>
<p>One week International Students' Seminar & Model</p> <p>Presentation on Stepping down from Research to the world of Reality: An outcome based approach</p>	<p>Choosing plants for future urban population</p>	<p>02.06.2022</p>	<p>Dr. Abhijit Sarkar Assistant Professor, Department of Botany, University of Gour Banga, Malda, West Bengal, India</p>	<p>Department of Biotechnology, Haldia Institute of Technology In association with Internal Quality Assurance Cell, Haldia</p>

Reality: An outcome based approach				
One week International Students' Seminar & Model Presentation on Stepping down from Research to the world of Reality: An outcome based approach	Modern diagnostics approaches	03.06.2022	Dr. Suvankar Ghorai Assistant Professor, Raiganj University, Uttar Dinajpur, West Bengal, India	Department of Biotechnology, Haldia Institute of Technology In association with Internal Quality Assurance Cell, Haldia
Special Lecture Series	Cause and Consequences of Cancers: Understanding the Symphony of the 'No-answer Disease	16.09.2022	DR. NABANITA ROY CHATTOPADHYAY ICMR-Research Associate, Visva-Bharati University	Department of Biotechnology, Haldia Institute of Technology
Special Lecture Series	Development of Potential Strategies from simple ideas	24.01.2023	Prof. Nitin Chattopadhyay (Professor, Department of Chemistry, Jadavpur University, Kolkata)	Indian Photobiology Society, Kolkata in association with Department of Biotechnology, Haldia Institute of Technology
Special Lecture Series	Many Faces of Carbon	24.01.2023	Prof. Puru Jena (Professor & Director, Institute for Sustainable Energy and Environment, Department of Physics, Virginia Commonwealth University, USA)	Indian Photobiology Society, Kolkata in association with Department of Biotechnology, Haldia Institute of Technology
NHBT 2023	A general overview on the petroleum industry, its challenges and the way forward to overcome it using biotechnology	16.03.2023	Mr. Anupam Aash Senior Quality Control Officer, Indian Oil Corporation, Haldia	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	An intricate role of molecular chaperones in maintaining proteostasis	16.03.2023	Prof. Atin Kumar Mandal Professor, Division of Molecular Medicine, Bose Institute, Kolkata	Department of Biotechnology, Haldia Institute of Technology In association with

				Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Host genomic variations and its influence on susceptibility to tuberculosis	16.03.2023	Prof. Bhaswati Pandit Associate Professor, National Institute of Biomedical Genomics (NIBMG), Kalyani	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Protein conformation, dynamics and aggregation: from test tubes to human diseases	16.03.2023	Prof. Krishnananda Chattopadhyay Chief Scientist & HOD, IICB, Kolkata	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Development of Potential Strategies from Simple Ideas	16.03.2023	Prof. Nitin Chattopadhyay President, Indian Photobiology Society, Professor , Department of Chemistry, Jadavpur University, Kolkata	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Regulation of a mycobacterial c-di-AMP synthase (DisA)	16.03.2023	Dr. Avisek Mahapa Senior Scientist, Infectious Diseases Division, CSIR – Indian Institute of Integrative Medicine, Canal Road, Jammu – 180001	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian

				Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Overview of Biopharmaceutical Product Development and Commercialization	17.03.2023	Mr. Abhijit Ghorai Senior Manager-Project, Cognizant Life Sciences, Kolkata	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Importance of patents for biotechnology industry and career opportunities in patents	17.03.2023	Mr. Samrat Ganguly IP Counsel, Legal Department, High Radius Technologies, DLF Cyber City, Indira Nagar, Gachibowli, Hyderabad	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Anthropogenic impact accelerates engineering of the microbiome and antibiotic resistome of Sundarban mangrove	17.03.2023	Prof. Abhrajyoti Ghosh Associate Professor, Division of Biochemistry, Bose Institute, Kolkata	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Chemistry for the Sustainable Development: Application of Advanced Spectroscopic Tools	17.03.2023	Prof. Chittaranjan Sinha Honorary Secretary, Indian Photobiology Society, Professor, Department of Chemistry, Jadavpur University, Kolkata	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality

				Assurance Cell, Haldia
NHBT 2023	Insights into the physiological roles of small heat shock proteins in a biotrophic plant pathogen Ustilago maydis	17.03.2023	Prof. Anupama Ghosh Associate Professor, Division of Plant Biology, Bose Institute, Kolkata	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
NHBT 2023	Internet of Bio Things	17.03.2023	Prof. Debashis De Professor, Department of Computer Science and Engineering, MAKAUT, NH-12 (Old NH-34) Simhat, Haringhata, Nadia 741249, West Bengal	Department of Biotechnology, Haldia Institute of Technology In association with Indian Chemical Society, Kolkata Indian Photobiology Society, Kolkata Internal Quality Assurance Cell, Haldia
Special Lecture Series	An interactive session on Opportunities in Higher Education Board	21.03.2023	Sucharita Basu (Chief Administrative Officer, Stratosphere Education Pvt. Ltd.) Abja Adhikari (Chief Learning Officer, Stratosphere Education Pvt. Ltd.) Rashmi Chakraborty (Public Relations Officer, Stratosphere Education Pvt. Ltd.)	Department of Biotechnology, Haldia Institute of Technology in association with Stratosphere Education Pvt. Ltd.
Workshop	Meditation as Medicine	22.03.2023	B. K. Bharati Senior Rajyogi Teacher, Yoga and value education, Brahma Kumaris, Haldia	Department of Biotechnology, Haldia Institute of Technology
One day National Seminar on Microbial Marvels: Unveiling the Hidden World of Biotechnology	Plant-Microbe Interactions	05.10.2023	Dr. Anindya Biswas Asst Prof., Microbiology Div Dept of Botany, Visva-Bharati, Santiniketan	Department of Biotechnology, Haldia Institute of Technology in association with Microbiologists Society India, HIT Student Chapter & Internal Quality Assurance Cell

				(IQAC), HIT, Haldia
Expert Session	Applications and Scope of Microbiology in Biotechnology :Industrial and Academic Perspective	13.12.2023	Dr. Sagarmoy Ghosh Department of Microbiology, University of Calcutta	Department of Biotechnology, Haldia Institute of Technology in association with Microbiologists Society India, HIT Student Chapter & Internal Quality Assurance Cell (IQAC), HIT, Haldia
Special Lecture Series	Solid-State Plasmonic Nanopores: An advancement in Protein Sequencing	21.12.2023	Dr. Sudarson S Sinha Post Doctoral Researcher Istituto Italiano Di Tecnologia, Italy	Department of Biotechnology, Haldia Institute of Technology in association with Microbiologists Society India, HIT Student Chapter & Internal Quality Assurance Cell (IQAC), HIT, Haldia

Community Service

Name of the Program	Organizer	Date
Hands-on Training on “Biotechnology based essential arenas on Microbiology, Molecular Biology and Tissue Culture Techniques” for the students of class XI-XII	Department of Biotechnology, Haldia Institute of Technology	17th January, 2020
COVID awareness program (Debhog Sukanta Nagar AWC, Haldia)	Department of Biotechnology, Haldia Institute of Technology	19th January, 2022
COVID awareness program (Hatiberia, Haldia)	Department of Biotechnology, Haldia Institute of Technology	11th February, 2022
Inter School Drawing Competition for the student of Local Schools, Haldia	Department of Biotechnology, Haldia Institute of Technology	28th February, 2022
Earth Day Celebration organizing Poster competition with the students of Biotechnology Department	Department of Biotechnology, Haldia Institute of Technology	22nd April, 2022
Distribution of Banana Plantlets to local Farmers	Department of Biotechnology, Haldia Institute of Technology	24th May, 2022
Mission Life - Lifestyle for Environment (Awareness Program)	Department of Biotechnology, Haldia Institute of Technology in association with Central Pollution Control Board (CPCB)	25th May, 2023
Fit India Freedom Run 4.0	Department of Biotechnology, Haldia Institute of Technology	10th October, 2023