

	<p>VIPIN KUMAR Assistant Professor & Deputy Head Hindustan College of Science and Technology- MATHURA-281122 Contact : +91-9454712850 Email : vipin.kumar.hcst@sgei.org</p>
Qualification	: M.Tech. (Biochemical Engineering) B.Tech. (Biotechnology)
Department	: Department of Biotechnology Engineering
Experience (Academics/Industry/Research)	: 14 Years
Research Interest	: Bioprocess Engineering, Fermentation Biotechnology, Enzyme Engineering, Bio-fuels production, Environmental Biotechnology etc.
BTech/MTech/MPhil Dissertation supervised/Evaluated	B.Tech. : 25 M. Tech. : 04
Research Publications	: Journal: 06 National Conference: 10 International Conference: 10 Book: 01
Journals (SCI/SCOPUS) :	
<ol style="list-style-type: none"> (1) Hari Om Sharan, Dev Buksh Singh, Pramod Kumar Yadav, Budhayash Gautam, Vipin Kumar, Satendra Singh: Genome Annotation and comparative functional analysis of genomic island in <i>Bordetella pertussis</i> Tohama I, <i>Bordetella parapertussis</i> 12822, and <i>Bordetella bronchiseptica</i> RB50 genomes. <i>National modeling analysis in health informatics and bioinformatics (part of Springer Nature)</i>.12-23 (2023). (2) Vipin Kumar, Sanjana Sharma, Shivam Singh, Mohmmad Seraj, Pooja Mishra, Monu Tomar: Microbial production of nattokinase enzyme using <i>Bacillus subtilus</i>. <i>Journal of Microbiology and Reproduction</i> 5(5): 48-52 (2022). (3) Ajay Kumar Sharma, Arun Prasad Chopra, Anurag Bajpai, Vipin Kumar, Shivi Sharma, Kumari Mamta, Sunny Yadav and Tanya Pachori (14-17 April, 2022). “Opioid Crisis: A Public Health Emergency”. Bioscience Congress-2022 held in HCST Mathura. ISBN: 978-93-86049-64-3ABT 88 (Springer). (4) Hari Om Sharan, Dev Buksh Singh, Pramod Kumar Yadav, Budhayash Gautam, Vipin Kumar, Satendra Singh: Prediction and Comparative analysis of genomic islands in <i>B. pertussis</i> Tohama I, <i>B. parapertussis</i> 12822 and <i>B. bronchiseptica</i> RB50. <i>International Journal of Life Sciences and Applied Sciences</i>. 3(2): 54-61 (2021). (5) Shipra Srivastava, Vijai Singh, Vipin Kumar, Praveen Chandra Verma, Rajeev Srivastava, Vaishali Basu, Vijayta Gupta and Anil Kumar : Identification of regulatory elements in 16S rRNA gene of <i>Acinetobacter</i> species isolated from water sample. <i>Bioinformation</i> 3(4): 173-176 (2008). (6) Biosurfactant-A Tool for biodegradation of crude oil. Kumar Pramod, Pathak Hari, Kumar 	

Vipin, Sahni Sudhanshu. National conference on Newer Horizons and Innovation in Biotechnology and Biosciences, FET, RBS Engineering Technical campus, Bichpuri, Agra, April 07-08, 2012. Under publication in the journal of Genetics & Biotechnology, Vol 6 No3, August (2012).

Conference :

1. **Kumar Vipin**, Raj Vardhan; Biofuels: Production of biofuels from agrowaste. International conference (Feb, 2023).
2. Biosurfactant-A Tool for biodegradation of crude oil. Kumar Pramod, Pathak Hari, **Kumar Vipin**, Sahni Sudhanshu. National conference on Newer Horizons and Innovation in Biotechnology and Biosciences, FET, RBS Engineering Technical campus, Bichpuri, Agra, April 07-08, 2012. Under publication in the journal of Genetics & Biotechnology, Vol 6 No3, August (2012).
3. Radioimmunotargeting”: As a modality for diagnosing of tumours. Pathak H. Pramod K., **Vipin K.** Paper presented in the national seminar on Biotechnological intervention for the benefit of mankind, February 2-4, 2012 held at Anand Engineering College, Agra.
4. Diagnosing of Tumour Through Radioimmunotargeting Hazra D.K. , Pathak H. , Pramod K., **Vipin K.** Paper presented in the national Conference on Emerging Trends in Biotechnology and Pharmaceutical Research, February 18-19, 2012 held at Mangalayatan University , Aligarh.
5. Microbial degradation of potato waste to produce ethanol using mixed culture of *B. amyloliquefaciens* and *Saccharomyces cerevisiae*. Kumar Pramod, Pathak Hari, **Kumar Vipin**, Shrivastava Vivek K. National conference on Newer Horizons and Innovation in Biotechnology and Biosciences, FET, RBS Engineering Technical campus, Bichpuri, Agra, April 07-08, 2012.
6. Isolation of keratinolytic microorganism from dumping zone of poultry waste. Smriti Singh ,Hotam Singh Chaudhary, Pramod Kumar, Vivek Srivastav. Hari Pathak, **Vipin Kumar**. National conference on New approaches in food security and value addition; Technological and Genetic options. NAFSVA-2014, February 17-19, **2014**, FET, RBS Engineering Technical campus, Bichpuri, Agra
7. Quantitative analysis of Amylase production from different *Bacillus strain*. Hotam Singh, Pramod Kumar, **Vipin Kumar**, Smriti Singh. National seminar on Recent advances in Agricultural, Biomedical and Environmental Biotechnology, May 1-2, 2015, Anand Engineering College, Agra.
8. Development of new media using silk & agro- waste as an alternate source of media components. Pramod Kumar, **Vipin Kumar**, Kratika, Shivani Saxena, Munesh Kumar. National seminar on Recent advances in Agricultural, Biomedical and Environmental Biotechnology, May 1-2, 2015, Anand Engineering College, Agra.
9. Production of Silver Nanoparticles Using Fungus *Aspergillus flavus*. Pramod Kumar, **Vipin Kumar**, Pravin Kumar Sachan and Shakti Katiyar. International conference “Geen Pahh-2019”, Hindustan College of Science & technology, Mathura.

**Workshops/Training
(Organized / Attended)**

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- (1) One Month (June 2006) Summer Training on “*Molecular, Bio Chemical, Microbial Techniques*” in *Varanasi Bioresearch Varanasi UP.*
 - (2) One and Half Month (June-July 2005) Summer Training “ *Studies on Physiological, Molecular Techniques & Their Standardization for Saccharum Species Hybrids* “ in Indin Institute of Sugarcane Research (IISR), Lucknow UP .

	<p>(3) Twenty one days (17 July 2010 – 07 August 2010) faculty development training at Hindustan Instt. of Technology and Management, Agra, UP.</p> <p>(4) Coordinated 14 days DBT sponsored national workshop VIGS-I-2013 at HCST, Mathura.</p> <p>(5) Coordinator cum resource person in 14 days DBT sponsored national workshop VIGS-II-2016 at HCST, Mathura.</p> <p>(6) Coordinated 02 days workshop on “Pashu Palan Jagrukta Shivir” in collaboration with DUVSU (Veterinary University) Mathura & HCST, Mathura.</p> <p>(7) Participated in 05 days National workshop on Smart Cities sponsored by TEQUP-III.</p> <p>(8) Participated in 14 days National workshop/ Faculty development program on “Entrepreneurship Development” sponsored by NSDC India.</p> <p>(9) Participated in 03 days National conference on Human Values & Professional Ethics.</p> <p>(10) Coordinated 01 days workshop on “Organic Farming” by KVK Agra & Mathura at HCST, Mathura.</p> <p>(11) Co-convener of International Conference “GEENPHH-2019” funded by WHO.</p> <p>(12) Participated in 01 day Workshop on “Solid Waste Management” organized by Indian Agro Pvt Ltd, Agra.</p> <p>(13) Participated in 01 day Workshop on “Nano & Molecular Biology” organized by Nano & Molecular Society at Hindustan College of Science & Technology, Mathura.</p> <p>(14) Participated in DBT funded 02 days International conference on “Environment & Society” at HBTU Kanpur.</p> <p>(15) Participated in 02 day “Hands on Training on Plant Tissue Culture” resource person Dr S Leelavathi, ICGEB New Delhi.</p> <p>(16) Participated in 01 day “Hands on Training on Virtual Labs” conducted by Virtual labs, IIT Delhi.</p> <p>(17) Participated in 02 days “Webinar on Advances in Biotechnology for Health, Food and Nutrition to Encounter COVID-19” conducted by AKS University, Astna, M.P.</p> <p>(18) Participated in 01 day “Expert lecture on Nano Approach to control the pathogens in Biological mean on 08 /07/2021” conducted by AKS University, Astna, M.P.</p> <p>(19) Participated in 01 day “Workshop on Nanotechnology on 03/12/2019” conducted by HCST, Mathura.</p>
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	<p>(20) Participated in 01 day “Workshop on Organic Farming by Vaidic System on 27/2/2017” conducted by HCST, Mathura.</p> <p>(21) Participated in 01 day “Webinar on Redefining the needs of Insurance and Financial Management Amidst Covid-19” on 04/06/2020” conducted by ANS College, Barh, Patna.</p> <p>(22) Participated in 01 day “International Webinar on Nano-materials and detection Technique of Covid-19” on 07/06/2020” conducted by BSA College, Mathura.</p> <p>(23) Participated in 01 day “ National Webinar on Business Opportunities in Fish Post Harvest” on 05/06/2020” Organized by ICAR-Central Institute of Post-Harvest Engineering & Technology, Ludhiana, Punjab.</p> <p>(24) Participated in 01 day “Webinar on Learn Supply Chain Management” on 15/05/2020” conducted by SNS College of Technology, Coimbatore.</p> <p>(25) Participated in 03 days “International Webinar on Covid-19: Challenges and Opportunities for Sustainable Environmental Development” on June 05 to 07, 2020” conducted AKS University, Satna.</p> <p>(26) Participated in 05 days “Virtual Workshop on Quantitative RT-PCR Data Analysis & Application” during June 21 to 25, 2021” conducted AKS University, Satna & MERCK PVT Ltd Company, India.</p>
<p>FDP (Organized / Attended)</p>	<ol style="list-style-type: none"> 1. Faculty Development Programme on “Entrepreneurship” (Jan 04 to 15, 2018) at HCST Sponsored by NSTEDB, Government Of India. 2. 8 Days National Level Faculty Development Programme on “Contemporary Approaches in Media ” from 27/09/2020 to 04/10/2020) at Department of Media Studies, Reva University, M.P. 3. One Week Faculty Development Programme on “Environmental Management and Smart Cities” (June 09 to 13, 2018) at HCST Sponsored by Dr. AKTU (Under TEQIP-II) 4. One Week Faculty Development Programme on “Futuristic Trends in Energy, Material and Manufacturing Technology Futuristic Trends in Energy, Material and Manufacturing Technology” (August 02 to 06, 2021) at Department of Mechanical Engineering, HCST, Mathura. 5. One Week Faculty Development Programme on “Role of Academic Leadership in Meeting Institutional Challenges” (Feb 10 to 14, 2021) at HIMCS Sponsored by Dr. AKTU. 6. One Week Faculty Development Programme on “Frontiers in Bioprocess Technology” (Sept 20 to 24, 2021) organized by HBTU Kanpur. 7. Faculty Development Programme on “Outcome Based Education

		and Accreditation” (May 25 to 29, 2020) organized by IILM, Noida. 8. One Week Faculty Development Programme on “Microbes’ Potential to Bail Out the Energy Crisis” (Dec 15 to 20, 2022) organized by HBTU Kanpur.
Achievements		
Membership of Professional Bodies		1. Life member of “Nano and Molecular Society (NMS)”, https://www.nmsindia.net/ 2. Life member of “ Society for Bioinformatics and Biological Sciences (SBBS) ”, www.sbbsindia.in
Equipment Designing and Development	:	Developed a “sanitization equipment (Jeeva)” in 2020 during lockdown-I.
Book / Book Chapter	:	Text Book of Environmental Biotechnology Publisher: Woodhead Publishing India Pvt Ltd, New Delhi, India SBN: 978-93-85059-38-4