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Areas of specialization: *Genome Informatics, Human Disease Genomics and Interactomics, Genome Annotation, Integration of genome-scale data for Systems Biology and Personalized Genomics*

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ACHIEVEMENTS, AWARDS AND HONOURS

- Awarded **Commendable Research Award-2023** for Excellence in Research during the year 2022 by DTU.
- Invited as **Guest of Honor** in the Annual Day and Prize Distribution Function at Indira Gandhi Institute of Physical Education and Sports Sciences (IGIPSS), University of Delhi, March 31, 2022.
- Awarded **Commendable Research Award-2022** for Excellence in Research during the year 2021 by DTU.
- Awarded **Premier Research Award-2021** for Excellence in Research during the year 2020 by DTU.
- Awarded **Commendable Research Award-2020** for Excellence in Research during the year 2019 by DTU.
- Awarded **Commendable Research Award-2019** for Excellence in Research during the year 2018 by DTU.
- Awarded **Commendable Research Award-2018** for Excellence in Research during the year 2017 by DTU.
- Awarded **Nomenclature Prize** in the Human Genome Meeting-2010.
- Awarded **CSIR Foreign Travel Grant** for attending and presenting my research work in the Human Genome Meeting (HGM) held in Montpellier, France in May, 2010.
- **'Department of Science and Technology (DST) Award'** for participation in the meeting of Nobel Laureates and Students held in Lindau, Germany during July 1-5, 2002.

COMPLETED SPONSORED RESEARCH PROJECTS

Title	Funding Agency	Duration
Genetic Analysis of Dermatological Disorders	DBT, Govt. of India	3 years (2017-20)
Genetic Susceptibility and Pharmacogenomics Databases	CSIR-OSDD	3 years (2012-15)
Role of Human Genetic Variations in Age-Related Disorders	Science and Engineering Research Board (SERB) under OYS Scheme	3 years (2012-15)

PUBLICATIONS IN JOURNALS

1. Kumari M, **Hasija Y**, Trivedi R. Acute and sub-acute metabolic change in different brain regions induced by moderate blunt traumatic brain injury. *Neuroreport*. 2023 Dec 4.
2. Kritika Sharma, Neeru Saini, **Yasha Hasija***. Identifying the mitochondrial metabolism network by integration of machine learning and explainable artificial intelligence in skeletal muscle in type 2 diabetes. *Mitochondrion*. 2023 Nov 29 [*Corresponding Author].
3. Shivangi Bora, Ritushree Kukreti, **Yasha Hasija***. An in-silico analysis predicting the impact of coding single nucleotide polymorphisms (SNPs) in the human multidrug pump ABCG2. *Human Gene*. 2023 [*Corresponding Author].
4. Debleena Guin, **Yasha Hasija** and Ritushree Kukreti*. Assessment of clinically actionable pharmacogenetic markers to stratify anti-seizure medications. *The Pharmacogenomics Journal*. 2023 23, 149–160.
5. Rajkumar Chakraborty and **Yasha Hasija*** (2023). Utilizing Deep Learning to Explore Chemical Space for Drug Lead Optimization. *Expert Systems With Applications*. 2023 [*Corresponding Author].
6. Sabita Rangra, Rajkumar Chakraborty, **Yasha Hasija** & Kamal Krishan Aggarwal. A cystatin C similar protein from *Musa acuminata* that inhibits cathepsin B involved in rheumatoid arthritis using in silico approach and in vitro cathepsin B inhibition by protein extract. *Journal of Biomolecular Structure and Dynamics*. 2023.
7. Jaishree Meena and **Yasha Hasija***. Rare deleterious mutations in Bruton's tyrosine kinase as biomarkers for ibrutinib-based therapy: an in silico insight. *J Mol Model*. 2023 Mar 29;29(4):120. [*Corresponding Author].
8. Megha Kumari, Palkin Arora, Priyanka Sharma, **Yasha Hasija***, Poonam Rana, Maria M Dsouza, Namas Chandra and Richa Trivedi. Acute metabolic alterations in the

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 10. **Yasha Hasija***. Editorial: Data Integration and Physiological Modelling. *Frontiers in Physiology, Sec. Computational Physiology and Medicine* 2022 [*Corresponding Author].
 11. Sidharth Bhasin, Megh Nadar, **Yasha Hasija***. Epicatechin analogues may hinder Human Parainfluenza Virus infection by inhibition of hemagglutinin neuraminidase protein and prevention of cellular entry. *Journal of Molecular Modeling*. 2022 Sep 16;28(10):319. [*Corresponding Author].
 12. Rajkumar Chakraborty; Gourab Bhattacharje; Joydeep Baral; Bharat Manna; Jayati Mullick; Basavaraj S Mathapati; Priya Abraham; J Madhumathi; **Yasha Hasija***; Amit Ghosh*; Amit Kumar Das*. In-silico screening and in-vitro assay show the antiviral effect of Indomethacin against SARS-CoV-2. *Computers in Biology and Medicine*. 2022 (147) [*Corresponding Author].
 13. Tanwee Das De, Punita Sharma, Sanjay Tevatiya, Charu Chauhan, Seena Kumari, Deepak Singla, Vartika Srivastava, Jyoti Rani, **Yasha Hasija**, Kailash C Pandey, Mayur Kajla, Rajnikant Dixit. Microbiome-Gut-Brain-Axis communication influences metabolic switch in the mosquito *Anopheles culicifacies*. *Cells* 2022 (11): 1798.
 14. Debleena Guin, Saroj Yadav, Priyanka Singh, Pooja Singh, Sarita Thakran, Samiksha Kukal, Neha Kanojia, Priyanka Rani Paul, Bijay Pattnaik, Viren Sardana, Sandeep Grover, **Yasha Hasija**, Luciano Saso, Anurag Agrawal, Ritushree Kukreti. Human genetic factors associated with pneumonia risk, a cue for COVID-19 susceptibility. *Infection, Genetics and Evolution* 2022 102 (2022) 105229.
 15. Jaishree Meena and **Yasha Hasija***. Application of Explainable Artificial Intelligence in the Identification of Squamous Cell Carcinoma Biomarkers. *Computers in Biology and Medicine*. July 2022 146:105505 [*Corresponding Author].
 16. Rajkumar Chakraborty and **Yasha Hasija***. Predicting protein intrinsically disordered regions by applying natural language processing practices. *Soft Computing* 2022 [*Corresponding Author].
 17. Manish Kumar Mishra, Samiksha Kukal, Priyanka Rani Paul, Shivangi Bora, Anju Singh, Shrikant Kukreti, Luciano Saso, Karthikeyan Muthusamy, **Yasha Hasija** and Ritushree Kukreti. Insights into Structural Modifications of Valproic Acid and Their Pharmacological Profile. *Molecules*. 2022 (27), 104.

18. Kritika Sharma, Amit Chandra, **Yasha Hasija** and Neeru Saini*. MicroRNA-128 inhibits mitochondrial biogenesis and function via targeting PGC1 α and NDUFS4. *Mitochondrion*. 2021 Sep;60:160-169.
19. Samadrita Chatterjee, Rajkumar Chakraborty and **Yasha Hasija***. Polymorphisms at site 469 of B-RAF protein associated with skin melanoma may be correlated with dabrafenib resistance: An in silico study. *J Biomol Struct Dyn*. 2021 Jul 19;1-16 [*Corresponding Author].
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22. Sarita Thakran, Debleena Guin, Pooja Singh, Priyanka Singh, Samiksha Kukal, Chitra Rawat, Saroj Yadav, Suman Kushwaha, Achal Srivastava, **Yasha Hasija**, Luciano Saso, Srinivasan Ramachandran, Ritushree Kukreti. Genetic landscape of common epilepsies: Advancing towards precision in treatment. *International Journal of Molecular Sciences* 2020. Oct 21; 21(20):7784.
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30. Richa Virmani, Yogendra Singh, **Yasha Hasija***. GroEL mediates folding of Bacillus anthracis Serine/Threonine protein kinase, PrkC. *Indian Journal of Microbiology* 2018 [*Corresponding Author].
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37. Tanwee Das De, **Yasha Hasija** and Rajnikant Dixit. Biogenic Amines in shaping mosquito behavior: A biomolecule having pharmacological significance. *Journal of Chemical and Pharmaceutical Research* 2018.

38. Tanwee Das De, **Yasha Hasija**, Rajnikant Dixit. Transcriptional responses of attractin gene in the mosquito *Anopheles culicifacies*: A synergistic neuro-olfactory regulation. *Journal of Vector Borne Diseases* 2018.
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40. Isha Srivastava; Pooja Khurana; Mohini Yadav; **Yasha Hasija***. An integrative system biology approach to unravel potential drug candidates for multiple age-related disorders. *BBA - Proteins and Proteomics* 2017 1865 (12): 1729-1738 [*Corresponding Author].
41. Isha Srivastava and **Yasha Hasija***. STAT3 as novel drug target for multiple age-related disorders: Docking and Simulation Analysis. *Advances in Gerontology* 2017 30(3): 427-435 [*Corresponding Author].
42. Tanwee Das De, Punita Sharma, Charu Rawal, Seena Kumari, Sanjay Tavetiya, Jyoti Yadav, **Yasha Hasija** and Rajnikant Dixit. Sex specific molecular responses of Quick-To-Court protein in Indian malarial vector *Anopheles culicifacies*: Conflict of mating versus blood feeding behaviour. *Heliyon* 2017 Jul; 3(7).
43. Bharat Singh and **Yasha Hasija***. Analysis of Osteoporosis Gene Interactome to Identify Heterogenic Genes and Pathways. *New Horizons in Translational Medicine* 2017 [*Corresponding Author].
44. Arpit Singh, Razia Rahman and **Yasha Hasija***. Integration of DNA methylation data and gene expression data for Prostate Adenocarcinoma: A Proof of Concept. *Current Bioinformatics* 2017 12(5): 423 - 430 [*Corresponding Author].
45. Sonam Arora, Salma Jamal, Sonam Gaba, **Yasha Hasija** and Vinod Scaria. Computational modeling of small molecule inhibitors of mitochondrial fusion. *Current Bioinformatics* 2017 12(6).
46. Abhivyakti Srivastava; Mottadi Shiva; Priyanka Kumari; **Yasha Hasija***. Extensive computational analysis of chromosome 11. *International Journal of Bioinformatics Research and Applications* 2017 [*Corresponding Author].
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52. Lalita Mehra, **Yasha Hasija**, Gaurav Mittal. Therapeutic Potential of Alpha Ketoglutarate against Acetaminophen Induced Hepatotoxicity in Rats. Journal of Pharmacy and Bioallied Sciences 2016 Oct-Dec;8(4):296-299.
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57. Isha Srivastava, Nitin Thukral, **Yasha Hasija***. Genetics of Human Age Related Disorders. Advances in Gerontology 2015 [*Corresponding Author].
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60. Monika Samant, Minesh Jethva, **Yasha Hasija***. INTERACT-O-FINDER: A Tool for Prediction of DNA-Binding Proteins Using Sequence Features. International Journal of Peptide Research and Therapeutics 2015; 21:189-193 [*Corresponding Author].

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62. Ruchika Sahajpal, Gaurav Kandoi, Heena Dhiman, Sweety Raj, OSDD Consortium, Vinod Scaria, Deeksha Bhartiya, **Yasha Hasija***. HGV&TB: a comprehensive online resource on human genes and genetic variants associated with tuberculosis. Database 2014, 1-11 [*Corresponding Author].
63. **Yasha Hasija**, Jameel Ahmad Khan, Vinod Scaria. Pharmacogenomics for Precision Medicine in the era of collaborative co-creation and crowdsourcing Current Genetic Medicine Reports September 2014, Volume 2, Issue 3, pp 182-189.
64. Prerna Jain and **Yasha Hasija***. In-silico Approach to Map Transcription Factor Binding Motifs onto Drosophila Cardiac Genes. Austin Journal of Biotechnology & Bioengineering 2014 1(1): 8 2014 [*Corresponding Author].
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67. Crowd Sourcing a new paradigm for Interactome Driven Drug Target Identification in Mycobacterium tuberculosis. PLoS ONE 2012.
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Yasha Hasija (Ed.). Translational Biotechnology: A Journey from Laboratory to Clinics (1st Edition) ISBN: 9780128219720. Academic Press. January, 2021.

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2. Saanya Yadav and **Yasha Hasija***. Computational Intelligence Methods for Predicting Cancer Susceptibility from SNP Data. Chapter 24. Computational Intelligence in Oncology. Applications in Diagnosis, Prognosis and Therapeutics of Cancers (ISBN 978-981-16-9220-8). Pp 435-454.
3. Saurabh Biswas and **Yasha Hasija***. Mucormycosis Vaccine Design using Bioinformatic Tools. In: Satyanarayana, C., Samanta, D., Gao, XZ., Kapoor, R.K. (eds) High Performance Computing and Networking. Lecture Notes in Electrical Engineering, vol 853. Springer, Singapore. https://doi.org/10.1007/978-981-16-9885-9_21 (Print ISBN 978-981-16-9884-2). Springer, Singapore. Pp 247
4. Simran Kaur and **Yasha Hasija***. Prognostic Modeling with the Internet of Healthcare Things Applications. Chapter 7. Lecture Notes on Data Engineering and Communications Technologies, Vol. 64, pp. 129-155. Sudipta Roy et al. (Eds). Springer Nature.
5. Simran Kaur and **Yasha Hasija***. Role of Computational Intelligence Against COVID-19. Computational Intelligence Methods in COVID-19: Surveillance, Prevention, Prediction and Diagnosis. 2021. Pages 19-43. Khalid Raza (Ed). Springer.
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7. Debleena Guin, Sarita Thakran, Pooja Singh, S. Ramachandran, **Yasha Hasija** and Ritushree Kukreti. Translational biotechnology: A transition from basic biology to evidence-based research.

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 10. Aparna Chauhan and **Yasha Hasija***. IoT based Healthcare: Personalized Health Monitoring using Machine Learning and Blockchain for Security of Data. Chapter 12. Security and Trust Issues in Internet of Things: Blockchain to the Rescue, Sudhir Kumar Sharma and Bhuvan Unhelkar (Eds). CRC Press. Taylor and Francis Group, USA.
 11. Pawan Singh Gangwar and **Yasha Hasija***. Deep Learning for Analysis of Electronic Health Records (EHR). Chapter 8. Studies in Big Data, Vol. 68, Sujata Dash et al. (Eds): Deep Learning Techniques for Biomedical and Health Informatics. Springer Nature (ISBN: 978-3-030-33965-4).
 12. Shubham Mittal and **Yasha Hasija***. Applications of Deep Learning in Healthcare and Biomedicine. Chapter 4. Studies in Big Data, Vol. 68, Sujata Dash et al. (Eds): Deep Learning Techniques for Biomedical and Health Informatics Springer Nature (ISBN: 978-3-030-33965-4).
 13. Avni Mehta and **Yasha Hasija***. Bioinformatics approaches for genomics and post genomics applications of anticancer plants. Anticancer Plants: Mechanisms and Molecular interactions, Volume- 4 pp 283-317. Eds: Mohd Sayeed Akhtar, Mallappa Kumara Swamy. Springer International, Singapore.
 14. Lakshay Bajaj, Kannu Gupta and **Yasha Hasija***. Image Processing in Biomedical Sciences. Advances in Soft Computing and Machine Learning in Image Processing. Eds: Hassanien, Aboul Ella, Oliva, Diego Alberto. Series Vol. 730 pp 185-212. Springer (ISBN 978-3-319-63753-2) [*Corresponding Author].
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18. **Yasha Bhasin** and K.K.Aggarwal. Protease Inhibitors: Potential Bio-insecticides and Therapeutic Agents. Recent Progress in Medicinal Plants. 2005, 12: 264-277.

CONFERENCE PAPERS

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2. Medha Jha and **Yasha Hasija***, "Artificial Intelligence In Field of Medical Imaging Informatics," 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Greater Noida, India, 2023, pp. 661-666.
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5. S. Sharma and **Y. Hasija***. "An Overview on Integration of Artificial Intelligence Tools to Predict the Nature of Chronic Obstructive Pulmonary Disease," 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA), Coimbatore, India, 2023, pp. 84-89.
6. Shristi Sharma and **Yasha Hasija***. Identification of novel drugs for inhibition of nuclear factor κ -B protein to treat inflammation-based obesity using computational techniques. 3rd IEEE International Conference on Intelligent Technologies (CONIT-2023) KLE Institute of Technology, Hubballi, Karnataka, India on June 23 - 25, 2023.
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8. Ruchi Tirkey, Soniya and **Yasha Hasija***. "In-silico approach to DNA codon optimization of Zaire Ebola Virus Genes for Vaccine Development," 2023 IEEE 8th International Conference for Convergence in Technology (I2CT), Lonavla, India, 2023, pp. 1-4.
9. N. Tanwar, J. Meena and **Y. Hasija***. "Explicate Toxicity By eXplainable Artificial Intelligence," 2022 International Conference on Industry 4.0 Technology (I4Tech), Pune, India, 2022, pp. 1-6.

10. Dhananjay Singh and **Yasha Hasija***. Pre-Processing and Clustering of single-cell sequence analysis for Uveal Melanoma Disease. 7th International Conference on Advanced Production and Industrial Engineering (ICAPIE 2022) June 11-12, 2022. Published in: Advances in Transdisciplinary Engineering (ATDE).
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15. Ashutosh Anand, Siddharth Chawla, Apoorva Gupta and **Yasha Hasija***. "Deep Neural Nets in Real-Time Detection of Cancerous Epidermal Lesions". IEEE 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS) March 25-26, 2022.
16. Nakul Tanwar and **Yasha Hasija***. Explainable AI; Are We There Yet? IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (IEEE DELCON) 2022. February 11-13, 2022.
17. Sandeep Kumar and **Yasha Hasija***. Immunoinformatics Tools: A boon in vaccine Development Against Covid-19. IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (IEEE DELCON) 2022. February 11-13, 2022.
18. Khushi Yadav and **Yasha Hasija***. IoT and Big Data Inter-Relation: A Boom in Biomedical Healthcare. IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (IEEE DELCON) 2022. February 11-13, 2022.
19. Kanishka Soni and **Yasha Hasija***. Artificial Intelligence Assisted Drug Research and Development. IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (IEEE DELCON) 2022. February 11-13, 2022.
20. Nakul Tanwar and **Yasha Hasija***. Deep learning: A tool in Biomedical Science. IEEE International Conference for Advancement in Technology (ICONAT 2022). January 21-23, 2022.
21. Khushi Yadav and **Yasha Hasija***. Artificial Intelligence and Technological Development in Behavioral and Mental Healthcare. IEEE International Conference for Advancement in Technology (ICONAT 2022). January 21-23, 2022.

22. Saurabh Biswas and **Yasha Hasija***. Machine Learning Methods for Protein Function Prediction. International Conference on Computational Intelligence and Emerging Power System (ICCIPS). 2021. Published in: Algorithms for Intelligent Systems (Springer) pp 85-98.
23. Prodyot Banerjee and **Yasha Hasija***. Molecular Dynamics Simulation and Its Application. 12th International Conference on Computing Communication and Networking Technologies (ICCCNT). 2021, pp. 1-5.
24. Aparna Chauhan, Kuldeep Singh Naga and **Yasha Hasija***. Pharmacogenomics Based Study for Liraglutide And Metformin (PCOS Drugs) Efficacy in Populations Across the Globe. 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT). July 06-08, 2021.
25. Divya Sharma and **Yasha Hasija***. Big Data: A Boom in Biomedical Sciences. 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT). July 06-08, 2021.
26. Siddhant Rajkumar and **Yasha Hasija***. Big Data in Healthcare. International Conference on Computational Intelligence and Computing Applications-2021. June 18-19, 2021. Published in: AIP Conference Proceedings Volume 2424, Issue 1, 050005 (2022).
27. Tejasv Gupta, Dolcy Rao and **Yasha Hasija***. Robotics in Healthcare: An Overview. 2nd International Conference on New Achievements in Multidisciplinary Research (ICNAMR 2021). May 29-30, 2021.
28. Divyanshu Aggarwal and **Yasha Hasija***. A Review of Deep Learning for Protein Function Prediction. 2nd International Conference for Emerging Technology (IEEE INCET-2021). May 21–23, 2021. Belgaum, Karnataka, INDIA.
29. Apoorva Gupta and **Yasha Hasija***. Next generation 5G Wireless Technologies in Healthcare. 5th International Conference on ICT for Intelligent Systems (ICTIS – 2021) April 23-24, 2021. Ahmedabad, India. Published in: Senjyu T., Mahalle P.N., Perumal T., Joshi A. (eds) ICT with Intelligent Applications. Smart Innovation, Systems and Technologies, vol 248. Springer, Singapore.
30. Dolcy Rao, Kuldeep Singh Naga and **Yasha Hasija***. Single-Cell RNA Sequencing Data Analysis: An Overview. International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST 2K21). April 09-10, 2021.
31. Rishabh Rawat, Rohan Prakash, and **Yasha Hasija***. A Brief Overview of Artificial Intelligence in the field of Medical and Healthcare. International Conference on Recent Challenges in Engineering Science and Technology (ICRCEST 2K21). April 09-10, 2021.
32. Arpita Sharma and **Yasha Hasija***. Misinformation- A challenge to medical sciences: A systematic review. International Conference on Machine Learning and Big Data Analytics (ICMLBDA). March 29-30, 2021. Indian Institute of Technology, Patna.

33. Apoorva Gupta, Ashutosh Anand and **Yasha Hasija***. Recall-based Machine Learning approach for early detection of Cervical Cancer. IEEE Sponsored 6th International Conference for Convergence in Technology (I2CT) April 02-04, 2021. Pune, Maharashtra, India.
34. Shubham Mittal and **Yasha Hasija***. RNA Secondary Structure Prediction using Machine Learning: A Review. ICCCA 2020. 5th IEEE International Conference on Computing, Communication and Automation is being jointly organized by Aurel Vlaicu University of Arad, Romania & Galgotias University, India at Galgotias University Greater Noida (NCR New Delhi) India. October 30-31, 2020.
35. Avni Mehta, Richa Nayak, **Yasha Hasija***. Melanoma Risk Prediction with respect to Modifiable Lifestyle Factors by Meta-Analysis Aided Machine Learning Technique. IEEE International Conference on Computing, Power and Communication Technologies (GUCON 2020). October 02-04, 2020.
36. Himanshu Kumar and **Yasha Hasija***. Bioinformatics Analysis of Merkel Cell Carcinoma to identify critical genes and their validation. IEEE International Conference for Innovation in Technology (INOCON) 2020, Bangalore, India. November 06-08, 2020.
37. Shubham Mittal and **Yasha Hasija***. Advancements in RNA Secondary Structure Prediction using Machine Learning Methods. IEEE International Conference for Innovation in Technology (INOCON) 2020, Bangalore, India. November 06-08, 2020.
38. Rajkumar Chakraborty, Shreeya Kedia and **Yasha Hasija***. Integrated transcriptional meta-analysis of pigmentation disorders. Third International Conference of Biotechnology and Biological Sciences (Biospectrum 2019). August 8-10, 2019. Kolkata, India. Published in: Biotechnology and Biological Sciences, CRC Press. 2020 Taylor & Francis Group, London.
39. Jaishree Meena, Aparna Chauhan, **Yasha Hasija***. Deciphering the association of Single Amino Acid Variations with Dermatological Diseases applying Machine Learning techniques. Third International Conference on Advanced Informatics for Computing Research (ICAICR-2019). June 15-16, 2019. Solan, India.
40. Richa Nayak and **Yasha Hasija***. Deep Learning in Image Processing: Revolutionizing Diagnosis in the Field of Dermatology. Third International Conference on Advanced Informatics for Computing Research (ICAICR-2019). June 15-16, 2019. Solan, India.
41. Mottadi Shiva, Rajkumar Chakraborty and **Yasha Hasija***. DermaMeth: Human DNA Methylation Database for Genes associated with dermatological disorders. International Conference on Computing, Power and Communication Technologies (GUCON 2019). September 27-28, 2019, Radisson Blu Hotel, Greater Noida, NCR New Delhi, India.
42. Mottadi Shiva, Neha Kumari and **Yasha Hasija***. MethARD: Human DNA Methylation database for genes associated with age-related disorders. International Conference on Computing, Power and Communication Technologies (GUCON 2019). September 27-28, 2019, Radisson Blu Hotel, Greater Noida, NCR New Delhi, India

43. Rajkumar Chakraborty and **Yasha Hasija***. miDerma: An Integrated Database and Tool for Analysis of miRNAs associated with Dermatological Disorders. International Conference on Bioinformatics and Systems Biology. October 26-28, 2018, Indian Institute of Information Technology – Allahabad, India. Published in: IEEE Explore.
44. Disha Mandal, Isha Sharma and **Yasha Hasija***. Characterization of Bacteria present in the Probiotics in Indian Market. 2nd International Online Conference on Biological Sciences (IOCBS 2018), July 22, 2018.
45. Isha Sharma, Disha Mandal, **Yasha Hasija***. Big Data and Hadoop in Biology: Introduction, Implementation and Applications. International Conference on Computing, Power and Communication Technologies 2018 (GUCON) organised by Galgotias University September 28-29, 2018, Radisson Blu Hotel Greater Noida, Uttar Pradesh.
46. Soumya Sourav, Nikhil Garg, **Yasha Hasija***. Automated Detection of Dermatological Disorders through Image-Processing and Machine Learning. First International Conference on Information Technology, Communications and Computing (ICITCC 2017) organised by HCTL Open December 23-24, 2017, Bhopal (M.P.), India. *Published in: IEEE Explore.*
47. Bhakti Sargia, Bharat Singh, Nisha Gupta, Lokesh Kumar, Gahlot, Trisha Gulati, **Yasha Hasija***. MED-PDB: An Online Database of Medicinal Plants. 1st International Online Conference on Biological Sciences (IOCBS 2017) November 3-7, 2017, India. *Published in: Journal of Advanced Pharmacy Education & Research [JAPER].*
48. Arpit Singh, Priyanka Kumari and **Yasha Hasija***. Functional Annotation of Hypothetical Proteins of *Lactobacillus Rhamnosus*: An *In Silico* Approach. 6th International Conference on Bioinformatics and Biomedical Science (ICBBS 2017) June 22-24, 2017, **Singapore (Oral Presentation)**.
49. Lalita Mehra, Priyanka Chhabra, Amit Kumar, Aseem Bhatnagar, **Yasha Hasija**, and Gaurav Mittal. Preclinical evaluation of Di-sodium Alpha ketoglutarate against Isoniazid-Rifampicin Induced Hepatotoxicity. International Conference on Food, Agricultural and Life Sciences (FALS-16) **London (UK)**. Published in: Int'l Journal of Advances in Chemical Engg., & Biological Sciences (IJACEBS) Vol. 3, Issue 1 (2016).
50. Abhivyakti Srivastava, Mottadi Shiva, Priyanka Kumari, **Yasha Hasija***. Comprehensive Computational analysis of Human Chromosome 11. International Conference on Bioinformatics and Systems Biology (BSB-2016)", March 04-06, 2016 organized by Department of Applied Sciences, Indian Institute of Information Technology-Allahabad (IIIT-A), India.
51. Anju Gupta, Priyanka Kumari, Mottadi Shiva, **Yasha Hasija***. Identification of functional genetic variants in miRNA binding site in genes associated with lung cancer. International Conference on Bioinformatics and Systems Biology (BSB-2016)", March 04-06, 2016 organized by Department of Applied Sciences, Indian Institute of Information Technology-Allahabad (IIIT-A), India.

52. Akanksha, **Yasha Hasija***. Identification of micro RNA causing pancreatitis cancer and their integrated bioinformatics analysis. International Journal of Engineering, Technology, Science and Research. Special Issue Vol 2 [International Conference on Emerging Trends of Engineering, Science, Management and it's Applications (ICETESMA-15). March 01, 2015, JNU.
53. Monika Samant, Sagar Maji and **Yasha Hasija***. BIOFUELdb: A Visionary Approach towards Better Future. Indian Society for Technical Education (ISTE) Delhi Section Convention on "Technological Universities and Institutions in New Knowledge Age: Future Perspectives and Action Plan", 5-6 September 2013, DTU.
54. Vinita Mishra and **Yasha Hasija***. A Review on Bio-hydrogen production: Current trends and Advances. Indian Society for Technical Education (ISTE) Delhi Section Convention on "Technological Universities and Institutions in New Knowledge Age: Future Perspectives and Action Plan", 5-6 September 2013, DTU.

KEYNOTE ADDRESSES/ LECTURES/ PRESENTATIONS IN CONFERENCES/ SEMINARS/ WORKSHOPS/ FACULTY DEVELOPMENT PROGRAMMES/ TRAINING COURSES/ OTHER SPECIAL PROGRAMMES

1. Invited Speaker, "AI and ML: Transforming Healthcare", Faculty Induction Programme for the newly recruited faculty members in the colleges and universities organized by the UGC-HRDC Centre, University of Jammu, November 21, 2022 vide WhatsApp communication dated November 12, 2022, November 19, 2022 and November 21, 2022.
2. Invited Speaker, "AI and Machine Learning: Introduction, Algorithms and Applications", Arity: Mathematics Society, Rajdhani College, University of Delhi, January 10, 2022 vide email at yashahasija@dtu.ac.in on January 08, 2022 and email at yashahasija06@gmail.com on January 09, 2022.
3. Invited Speaker, AICTE Training and Learning (ATAL) Academy Sponsored Faculty Development Program on "Computer Science and Biology: Impact of Bioinformatics and Molecular Biology on Drug Discovery", October 04-08, 2021 (Online Mode) organized by Department of Biotechnology, IILM CET, Greater Noida.
4. Invited Panel Speaker in "Second Engineering, Medicine, Biology, and Healthcare Research and Innovation Colloquium" organized by IEEE BUET, June 09, 2021.
5. Invited Speaker, " Machine Learning: A plethora of Applications" (Webinar). Short term summer course for UG students of University of Delhi on "Bioinformatics: An Introduction for Beginners". Miranda House, University of Delhi, Delhi, July 22, 2020.

6. Invited Speaker, "Sequence Alignment" (Webinar). Short term summer course for UG students of University of Delhi on "Bioinformatics: An Introduction for Beginners". Miranda House, University of Delhi, Delhi, July 06, 2020.
7. Invited Speaker, "Artificial Intelligence in Healthcare" (Webinar). GGSIPU, Delhi, June 02, 2020.
8. Invited Speaker, "Current Research & Innovations in Biotechnology". World Congress on Biotechnology-2019, J.N. Tata Auditorium, Indian Institute of Science, Bengaluru, August 28-29, 2019, INDIA.
9. Invited Speaker, "Artificial Intelligence in Healthcare: Opportunities and Challenges". International Conference on Smart Technology, Artificial Intelligence and Computer Engineering (ICSTAICE), August 08, 2019, Pune, INDIA.
10. Keynote Address, "Development of a genomic information resource on dermatological disorders". 2nd International Online Conference on Biological Sciences, July 22, 2018, INDIA.
11. Invited Speaker, "Systems Biology and Gene Networks in Human Disorders" International Conference on Biotechnology and Environmental Science, March 18-20, 2018, New Delhi, INDIA.
12. Invited Speaker, "En route to Healthy Aging: Are we there yet?" DFG's Pre Lindau Alumni Indo-German workshop on "Computing in Chemistry, Biology and Medicine", November 24-25, 2017, IIT Hyderabad, INDIA.
13. Plenary Keynote Speaker, "Healthy Aging: The Way Forward" in World Biotechnology Conference (WBC 2017), February 20-22, 2017, Delhi, INDIA.
14. Invited lecture on "A Systems Biology Approach towards Healthy Aging" in Seminar series, Center for Computational Biology, IIITD, August 23, 2016.
15. Invited talk on "Exploring the maze of Age Related Disorders (ARDs)" in the Systems Biology session of International Conference on Translational Biotechnology (BioSangam 2016) at Motilal Nehru national Institute of Technology (MNNIT), Allahabad from February 04-06, 2016.
16. Invited resource person to conduct a practical session on "Pairwise and multiple sequence alignment", Miranda House, University of Delhi, February 27, 2016.
17. Invited lecture on "Pairwise and Multiple Sequence Alignment" for the add-on course on Bioinformatics and in silico medicine, Miranda House, University of Delhi, January 23, 2016.
18. Invited Talk on "ARDs: Connecting the dots. 6th World Congress on Biotechnology", October 5-7, 2015, Delhi, India.
19. Invited lecture for the add-on course on Bioinformatics and in silico medicine, Miranda House, February 2014.

20. Invited Speaker in Round Table Discussion on “Education and Research Cutting across National Boundaries – Globally Collaborative Education and Research” at 2nd Global Alumni Conclave held at DTU on January 19, 2013.
21. Invited talk on "Human Variome Analysis: Genome-based prediction of complex disorders" in Dr Yellapragada SubbaRow Memorial Lecture Series held at GGSIPU, Dwarka on 14th January 2013.
22. Invited expert in 2-day workshop to review the curriculum of B.Tech Biotechnology of Punjab Technical University, January 23-24, 2011.

CHAIRING OF SESSIONS IN NATIONAL & INTERNATIONAL CONFERENCES & WORKSHOPS

- Session Chair, Computational Biology and Bioinformatics, International Conference on “Recent Advances in Biotechnology (icRAB-2022)”, December 02-04, 2022 Organized by Department of Biotechnology, Department of Chemical Engineering in association with Science Technology & Innovation Hub (STI Hub) Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, INDIA (Online).
- Session Chair, IEEE International Conference for Intelligent Technologies (CONIT-2021) KLE Institute of Technology, Hubballi, Karnataka, India on June 25 - 27, 2021 (Online).
- Session Chair, “Computational Intelligence / Image Processing / Healthcare Applications” in the IEEE 2nd International Conference for Emerging in Technology (INCET-2021) at Belgaum, India on May 21-23, 2021 (Online).
- Session Chair, “Big Data in Biology” in the International Conference on Machine Learning and Big Data Analytics (ICMLBDA) at Indian Institute of Technology, Patna on March 29-30, 2021 (Online).
- Chairperson for Session-IV titled “Hands-on Informatics, Drug Discovery and Development” in the International Symposium and 9th Informatics Workshop on Informatics, Drug Discovery and Development at Jamia Hamdard, New Delhi on January 31, 2019.
- Co-Chair for session on 2 main tracks: Bioinformatics and Biosensor & Tissue science and engineering, 6th World Congress on Biotechnology, October 5-7, 2015, Delhi, India
- Chairperson, National Conference on “Innovations in Engineering”, Delhi Technological University, November 1-2, 2010.

STUDENTS GUIDANCE

Ph.D. (06)

M.Tech. (52)

M.Sc. (20)

B.Tech. (46)
