

Faculty Details

Name: Dr. M Muthamilarasan

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Area Of Research: Nutrigenomics and stress biology of millets

Faculty Details

Research Focus

Our research focuses on deploying molecular genetics and genomics approaches to dissect nutritional and climate-resilient traits in foxtail millet and kodo millet.

See our lab video

Honors & Awards

INSA Associate Fellow (2023) of Indian National Science Academy, New Delhi (More details)

Har Gobind Khorana-Innovative Young Biotechnologist Fellowship (IYBF) from Dept. of Biotechnology, Govt. of India (More details)

Featured in the top 2% highly-cited scientists (October 2023 data compiled by Stanford University)

G.D. Naidu Award (2022) from People's Thinking Forum, Tamil Nadu, India (More details)

Fulbright-Nehru Alumni Award (2019) from United States-India Educational Foundation, New Delhi, India

INSA Medal for Young Scientist (2018) from Indian National Science Academy, New Delhi, India

NASI Young Scientist Platinum Jubilee Award (2018) from the National Academy of Sciences, Allahabad, India

Early Career Research Award (2018) from Science and Engineering Research Board, Department of Science & Technology, Ministry of Science & Technology, Govt. of India

Indo-Australian Career Boosting Gold Fellowship (2018) from the Department of Biotechnology, Ministry of Science & Technology, Govt. of India (not availed)

DST INSPIRE Faculty Award (2017) from the Department of Science & Technology, Ministry of Science & Technology, Govt. of India

Fulbright-Nehru Doctoral Research Fellowship by the United States Department of State to visit and conduct research at Louisiana State University, Louisiana, USA (2015 - 2016)

Joint CSIR-UGC Junior Research Fellowship from University Grants Commission (UGC), Govt. of India (2012 - 2016)

Maveeran Sundaralingam Endowment Scholarship from Madurai Kamaraj University, Tamil Nadu, for standing first in order of merit in M.Sc. (Biotechnology; 2007 - 2009)

Membership in Learned Bodies

Member (2019 onwards) of the National Academy of Sciences, Allahabad (NASI), India

Member (2020-2024) of the Indian National Young Academy of Sciences (INAYAS), India

Life Member (2018 onwards) of the Indian Science Congress Association (ISCA), India

Editorship

Associate Editor - Heliyon (Cell Press; 2023 onwards)
Academic Editor - Plant Molecular Biology Reporter (2023 onwards)
Consulting Editor - Journal of Plant Physiology (2022 onwards)
Review Editor - Frontiers in Microbiology (2022 onwards)
Review Editor - Frontiers in Plant Science (2021 onwards)
Review Editor - Frontiers in Genetics (2021 onwards)
Academic Editor - PLOS ONE (2018 onwards)
Academic & Administrative Roles outside the University

Member, National Committee for the International Union of Biological Sciences (IUBS) of INSA, New Delhi (January 1, 2024 to December 31, 2026)
Member, DSIR Expert Committee (In-House R&D Recognition Programme) to visit companies in Hyderabad during January 8-9, 2024
Member, Board of Studies, Sri Krishna Arts & Science College, Coimbatore, Tamil Nadu (2022-23; 2023-24)
Academic & Administrative Roles within the University

Member, SLS Information Dissemination Committee, SLS, UoH (January 10, 2024 to January 9, 2026)
Member, SLS Canteen Committee, SLS, UoH (January 10, 2024 to January 9, 2027)
Deputy Chief Warden, University of Hyderabad (November 2023 onwards)
Faculty-in-Charge, Radioactive Facility, SLS, UoH (February 2022 onwards)
Warden, Men's Hostel - K (August 2021 to March 2024)
Member, Admission Committee, Dept. of Plant Sciences, UoH (2022-24)
Warden, Men's Hostel - J (September 2022 to July 2023)
Contributions to Science Promotion

Authored the book 'Fellowships and Funding Opportunities for School Students: The Way Forward,' released by Indian National Science Academy, New Delhi (ISBN: 978-81-939482-2-4)
[Click to access the eBook]
Coordinator, INYAS Hyderabad Chapter (2020-2021)
Delivered several invited talks in schools, colleges, and universities (see 'Invited Lectures' tab)

Notice Board

No Records Available

Students And Project Trainees

Students/Projects Trainees

Name	Joined As	Mail	Contact
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Sumi Rana	Ph.D. Student (PMRF Awardee)	20lpbh09@uohyd.ac.in	---
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Appus M. V.	Ph.D. Student (Govt. of Kerala Scholarship)	20lpbh16@uohyd.ac.in	---
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Pooja Shukla Ph.D. Student (Project Associate in DBT project) 22lpph02@uohyd.ac.in

Satyabrata Satapathy Ph.D. Student (CSIR NET JRF) 22lpph03@uohyd.ac.in ---

Dr. Pooja R. Aggarwal DST- Women Scientist (WOS-A)

poojaaggarwal_dst@uohyd.ac.in ---

Kudelly Sai Prashanth Project Assistant ((Project Associate in DBT project) ---

Anish R Field Assistant (IoE Project) --- ---

Supriya Laha Junior Research Fellow (DBT project) --- ---

Naveenkumar M (23LPMS19) Intern (MSc Dissertation 2024-25)

23lpms19@uohyd.ac.in ---

Mandadi Narendar Reddy (23LPMS08) Intern (MSc Dissertation 2024-25)

23lpms08@uohyd.ac.in ---

Former Students/Projects Trainees

Name Joined As Working

Gifty Mammen Intern (March 21 - May 8, 2020) Amity Institute of Biotechnology, Amity University, Madhya Pradesh

Sarita Verma KARYA Fellow (Govt. of Rajasthan) (June 19 - July 17, 2020) University of Rajasthan, Jaipur, Rajasthan

Shubham Verma (19LPMS09) Intern (M.Sc. Dissertation 2020-21) Indian Institute of Science Education and Research - Pune

Urmi Giri (19LPMS03) Intern (M.Sc. Dissertation 2020-21)

Varsa Shukla (19LPMS05) Intern (M.Sc. Dissertation 2020-21) Max Planck Institute for Plant Breeding Research, Germany

Gauri Bhati KARYA Fellow (Govt. of Rajasthan) (June 19 - July 17, 2020) Jai Narayan Vyas University, Jodhpur, Rajasthan

Subhalakshmi Kandavel Intern (May 16 - July 31, 2020) Indian Institute of Information Technology - Hyderabad, Telangana

Maharshi Dixit (NIT-W) Intern (June 1 - July 1, 2021) National Institute of Technology, Warangal

Vasundhara K (IISER-T) Intern (June 1, 2021 - April 30, 2022)

Pronomita Das (20LPMS17) Intern (M.Sc. Dissertation 2021-22)

Shriya Sharma (20LPMS29) Intern (M.Sc. Dissertation 2021-22)

Dr. Hindu Vemuri Senior Research Fellow

Chanchal Didel KARYA Fellow (Govt. of Rajasthan) (Oct 12 - Dec 11, 2021) Jai Narayan Vyas University, Jodhpur, Rajasthan

Dr. Pooja Soni Project Associate (SERB Project)

Swetha PV (21LPMS11) Intern (M.Sc. Dissertation 2021-22)

Rani Kumari (21LMMS10) Intern (M.Sc. Dissertation 2021-22)

A. Rajashree (University of Madras) Intern (January 1 - April 25, 2023) University of Madras, Chennai, Tamil Nadu

Suneetha C Visiting Researcher (Anna University)

Khanapuram Pragna (19ILMB09) Intern (IMSc Dissertation 2023-24)

Mudhavath Praveen Nayak (19IPMP08) Intern (IMSc Dissertation 2023-24)

Dr. Yengkhom Linthoingambi Devi IoE-PDF Scientist in AICRP on Forage Crops
 Dr. Gouri Priya Ranjith IoE-PDF (Co-mentor) SERB-NPDF at NCBS, Bangalore
 Dr. V.G. Renganathan Research Fellow (DBT Project)
 Akanksha Tripathi (22LPMS01) Intern (MSc Dissertation 2023-24) FIITJEE
 Shyam Prasad Patnaik (22LPMS05) Intern (MSc Dissertation 2023-24) PhD student at NCBS
 Bhadhra Milton (22LPMS25) Intern (MSc Dissertation 2023-24)
 Dr. M. Manikandan INSA Visiting Scientist (July 10 - Sept. 11, 2023) Sri Krishna Arts and Science College, Coimbatore, Tamil Nadu
 Vijay Rajamanickam Project Associate (SERB project)
 Khatal Anil Gundyaba Junior Research Fellow (DBT project)
 Sai Ramya Intern (January 17 - May 31, 2024) Kakatiya University, Warangal, Telangana
 Asma Sherin Intern (April - May 2024) SAFI Institute of Advanced Study, Malappuram, Kerala
 Adila Areekan Intern (April - May 2024) SAFI Institute of Advanced Study, Malappuram, Kerala
 Chaithra CP Intern (April - May 2024) SAFI Institute of Advanced Study, Malappuram, Kerala
 Fathima Nahala Intern (April - May 2024) SAFI Institute of Advanced Study, Malappuram, Kerala
 Govardhan Choppadandi Summer Intern (SRIP-2024 of SDC, SLS UoH) [May 1 - June 30, 2024]
 Kamthenlal Dimngel Summer Intern (SRIP-2024 of SDC, SLS UoH) [May 1 - June 30, 2024]
 M. Naga Muthumari Student Intern [SERB SSR - May 6 - July 5, 2024] University of Madras, Chennai, Tamil Nadu
 K. Kartheek Intern (April 18, 2024 to July 5, 2024) Loyola Academy, Alwal, Secunderabad, Telangana

Publications

- 110 Kumar, Verandra., Singh, Babita., Kumar Singh, Roshan., Sharma, Namisha., Muthamilarasan, Mehanathan., Sawant, Samir V., Prasad, Manoj., (2024) , Histone deacetylase 9 interacts with SiHAT3. 1 and SiHDA19 to repress dehydration responses through H3K9 deacetylation in foxtail millet , Journal of Experimental Botany, Oxford University Press UK,75,3,1098-1111.
- 109 Jaiswal, Vandana., Bandyopadhyay, Tirthankar., Singh, Roshan Kumar., Gahlaut, Vijay., Muthamilarasan, Mehanathan., Prasad, Manoj., (2024) , Multi-environment GWAS identifies genomic regions underlying grain nutrient traits in foxtail millet (*Setaria italica*) , Plant Cell Reports, Springer Berlin Heidelberg,43,1,1-13.
- 108 Rajarajan, K., Sahu, Sakshi., Handa, AK., Arunachalam, Ayyanadar., Priyadarshini, E., Bharti, A., Yuvaraja, A., Muthamilarasan, Mehanathan., Anuragi, H., (2024) , Genetic diversity and population structure of *Azadirachta indica* using simple sequence repeat (SSR) markers for genetic resource conservation and utilization , Genetic Resources and Crop Evolution, Springer,,10.1007/s10722-023-01841-z.

- 107 Supriya, Laha., Dake, Deepika., Muthamilarasan, Mehanathan., Padmaja, Gudipalli., (2024) , Melatonin-mediated regulation of autophagy is independent of ABA under drought stress in sensitive variety of *Gossypium hirsutum* L , *Plant Physiology and Biochemistry*, Elsevier Masson,,108409.
- 106 Shukla, Pooja., Shukla, Shivani., Pandey, Kajal., Choudhary, Pooja., Rajasekaran, Ravikesavan., Muthamilarasan, Mehanathan., (2024) , Genetics and Genomics of Kodo Millet (*Paspalum scrobiculatum* L.) , *Genetics and Genomics of High-Altitude Crops*, Springer Nature Singapore Singapore,,47-63.
- 105 Choudhary, Pooja., Pramitha, Lydia., Aggarwal, Pooja Rani., Rana, Sumi., Vetriventhan, Mani., Muthamilarasan, Mehanathan., (2023) , Biotechnological interventions for improving the seed longevity in cereal crops: progress and prospects , *Critical Reviews in Biotechnology*, Taylor & Francis,43,2,309-325.
- 104 Muthamilarasan, Mehanathan., Suresh, Bonthala Venkata., Singh, Roshan Kumar., Choudhary, Pooja., Aggarwal, Pooja Rani., Prasad, Manoj., (2023) , Comparative transcriptome profiling of two contrasting foxtail millet cultivars provides insights into molecular mechanisms underlying dehydration stress response , *Journal of Plant Growth Regulation*, Springer US New York,42,10,6425-6443.
- 103 Ravikesavan, R., Jeeva, G., Jency, J Poornima., Muthamilarasan, M., Francis, Neethu., (2023) , Kodo Millet (*Paspalum scrobiculatum* L.) , *Neglected and Underutilized Crops*, academic press,,279-304.
- 102 Pramitha, Lydia., Choudhary, Pooja., Rana, Sumi., Singh, Roshan Kumar., Das, Pronomita., Sharma, Shriya., Rajasekaran, Ravikesavan., Prasad, Manoj., Muthamilarasan, Mehanathan., (2023) , Foxtail millet (*Setaria italica* L.): a model for small millets , *Neglected and Underutilized Crops*, Academic Press,,305-324.
- 101 Choudhary, Pooja., Shukla, Pooja., Muthamilarasan, Mehanathan., (2023) , Genetic enhancement of climate-resilient traits in small millets: A review , *Heliyon*, Elsevier,,.
- 100 Kamakshi, Kumarakrishnan., MohanaPrasad, Jeyapandi., Muthamilarasan, Mehanathan., Radhakrishnan, Nagarathnam., (2023) , Foliar application of Methyl Jasmonate Methyl Ester elicits differential antioxidant defence and expression of defence-related genes against early blight disease of tomato , *Journal of Phytopathology*, ,171,7-8,362-375.
- 99 Muthamilarasan, Mehanathan., Prasad, Manoj., (2023) , Dissecting antinutrient traits using omics approaches , *Frontiers in Plant Science*, Frontiers,14,,1234245.
- 98 Rao, Venkateswara., Petla, Bhanu Prakash., Muthamilarasan, Mehanathan., (2023) , Dissecting complex gene families to understand their roles in climate-resilience , *Frontiers in Plant Science*, Frontiers,14,,1284812.
- 97 Dey, Sharmistha., Malviya, Rinku., Pandey, Anuradha., Banavath, Hemanth Naick., Muthamilarasan, Mehanathan., Gayen, Dipak., (2023) , Identification and expression analysis of the FtsH protein family in chickpea in response to drought stress , , ,.,.
- 96 Supriya, Laha., Durgeshwar, Pullaiahgari., Muthamilarasan, Mehanathan., Padmaja, Gudipalli., (2022) , Melatonin mediated differential regulation of drought tolerance in sensitive and tolerant varieties of upland cotton (*Gossypium hirsutum* L.) , *Frontiers in Plant Science*, Frontiers,,596.
- 95 Singh, Roshan Kumar., Dhaka, Annvi., Muthamilarasan, Mehanathan., Prasad, Manoj., (2022) , Nutritional improvement of cereal crops to combat hidden hunger during the COVID-19

pandemic: Progress and prospects , *Advances in Food Security and Sustainability*, Elsevier,7,,61-82.

94 Suresh, Bonthala Venkata., Choudhary, Pooja., Aggarwal, Pooja Rani., Rana, Sumi., Singh, Roshan Kumar., Ravikesavan, Rajasekaran., Prasad, Manoj., Muthamilarasan, Mehanathan., (2022) , De novo transcriptome analysis identifies key genes involved in dehydration stress response in kodo millet (*Paspalum scrobiculatum* L.) , *Genomics*, Academic Press,114,3,110347.

93 Rana, Sumi., Aggarwal, Pooja Rani., Shukla, Varsa., Giri, Urmi., Verma, Shubham., Muthamilarasan, Mehanathan., (2022) , Genome editing and designer crops for the future , *Plant Gene Silencing: Methods and Protocols*, Springer US New York, NY,,,37-69.

92 Aggarwal, Pooja Rani., Pramitha, Lydia., Choudhary, Pooja., Singh, Roshan Kumar., Shukla, Pooja., Prasad, Manoj., Muthamilarasan, Mehanathan., (2022) , Multi-omics intervention in *Setaria* to dissect climate-resilient traits: Progress and prospects , *Frontiers in Plant Science*, Frontiers,13,,892736.

91 Choudhary, Pooja., Muthamilarasan, Mehanathan., (2022) , Modulating physiological and transcriptional regulatory mechanisms for enhanced climate resilience in cereal crops , *Journal of Plant Physiology*, Urban & Fischer,278,,153815.

90 Singh, Roshan Kumar., Muthamilarasan, Mehanathan., Prasad, Manoj., (2022) , SiHSFA2e regulated expression of SisHSP21. 9 maintains chloroplast proteome integrity under high temperature stress , *Cellular and Molecular Life Sciences*, Springer International Publishing Cham,79,11,580.

89 Muthamilarasan, Mehanathan., Prasad, Manoj., (2021) , Small millets for enduring food security amidst pandemics , *Trends in plant science*, Elsevier,26,1,33-40.

88 Pramitha, J Lydia., Rana, Sumi., Aggarwal, Pooja Rani., Ravikesavan, Rajasekaran., Joel, A John., Muthamilarasan, Mehanathan., (2021) , Diverse role of phytic acid in plants and approaches to develop low-phytate grains to enhance bioavailability of micronutrients , *Advances in genetics*, Academic Press,107,,89-120.

87 Dhaka, Annvi., Muthamilarasan, Mehanathan., Prasad, Manoj., (2021) , A comprehensive study on core enzymes involved in starch metabolism in the model nutriceal, foxtail millet (*Setaria italica* L.) , *Journal of Cereal Science*, Elsevier,97,,103153.

86 Tiwari, Shalini., Muthamilarasan, Mehanathan., Lata, Charu., (2021) , Genome-wide identification and expression analysis of Arabidopsis GRAM-domain containing gene family in response to abiotic stresses and PGPR treatment , *Journal of Biotechnology*, Elsevier,325,,7-14.

85 Singh, Roshan Kumar., Muthamilarasan, Mehanathan., Prasad, Manoj., (2021) , Biotechnological approaches to dissect climate-resilient traits in millets and their application in crop improvement , *Journal of Biotechnology*, Elsevier,327,,64-73.

84 M T, Andrew-Peter-Leon., Ramchander, S., K K, Kumar, Muthamilarasan, Mehanathan, Pillai, M Arumugam., (2021) , Assessment of efficacy of mutagenesis of gamma-irradiation in plant height and days to maturity through expression analysis in rice , *PLoS ONE*, Public Library of Science,16,1,e0245603.

83 Sharma, Namisha., Muthamilarasan, Mehanathan., Dulani, Priya., Prasad, Manoj., (2021) , Genomic dissection of ROS detoxifying enzyme encoding genes for their role in antioxidative defense mechanism against Tomato leaf curl New Delhi virus infection in tomato ,

Genomics, Academic Press,113,3,889-899.

82 Prasad, Ashish., Hari-Gowthem, Gunaseelen., Muthamilarasan, Mehanathan., Hussain, Zakir., Yadav, Pawan Kumar., Sandhya, Tripathi., Prasad, Manoj., (2021) , Molecular characterization of SIATG18f in response to Tomato leaf curl New Delhi virus infection in tomato and development of a CAPS marker for leaf curl disease tolerance , Theoretical and Applied Genetics, ,,,.

81 Choudhary, Pooja., Aggarwal, Pooja Rani., Rana, Sumi., Nagarathnam, Radhakrishnan., Muthamilarasan, Mehanathan., (2021) , Molecular and metabolomic interventions for identifying potential bioactive molecules to mitigate diseases and their impacts on crop plants , Physiological and Molecular Plant Pathology, Academic Press,114,,101624.

80 Salvi, Prafull., Manna, Mrinalini., Kaur, Harmeet., Thakur, Tanika., Gandass, Nishu., Bhatt, Deepesh., Muthamilarasan, Mehanathan., (2021) , Phytohormone signaling and crosstalk in regulating drought stress response in plants , Plant Cell Reports, Springer Berlin Heidelberg,40,,1305-1329.

79 Mani, Sumithra Devi., Govindan, Muthukumar., Muthamilarasan, Mehanathan., Nagarathnam, Radhakrishnan., (2021) , A sulfated polysaccharide κ -carrageenan induced antioxidant defense and proteomic changes in chloroplast against leaf spot disease of tomato , Journal of Applied Phycology, Springer Netherlands,33,,2667-2681.

78 Mani, Sumithra Devi., Pandey, Saurabh., Govindan, Muthukumar., Muthamilarasan, Mehanathan., Nagarathnam, Radhakrishnan., (2021) , Transcriptome dynamics underlying elicitor-induced defense responses against Septoria leaf spot disease of tomato (*Solanum lycopersicum* L.) , Physiology and Molecular Biology of Plants, Springer India,27,,873-888.

77 Das, Prajna Priyadarshini., Rana, Sumi., Muthamilarasan, Mehanathan., Kannan, Monica., Ghazi, Irfan Ahmad., (2021) , Omics approaches for understanding plant defense response , Omics Technologies for Sustainable Agriculture and Global Food Security Volume 1, Springer Singapore,,41-83.

76 Sushree Shyamli, P., Rana, Sumi., Suranjika, Sandhya., Muthamilarasan, Mehanathan., Parida, Ajay., Prasad, Manoj., (2021) , Genetic determinants of micronutrient traits in graminaceous crops to combat hidden hunger , Theoretical and Applied Genetics, Springer Berlin Heidelberg,134,,3147-3165.

75 Sharma, Namisha., Sahu, Pranav Pankaj., Prasad, Ashish., Muthamilarasan, Mehanathan., Waseem, Mohd., Khan, Yusuf., Thakur, Jitendra Kumar., Chakraborty, Supriya., Prasad, Manoj., (2021) , The Sw5a gene confers resistance to ToLCNDV and triggers an HR response after direct AC4 effector recognition , Proceedings of the National Academy of Sciences, National Academy of Sciences,118,33,e2101833118.

74 Thakur, Tanika., Gandass, Nishu., Mittal, Kajal., Jamwal, Pallavi., Muthamilarasan, Mehanathan., Salvi, Prafull., (2021) , A rapid, efficient, and low-cost BiFC protocol and its application in studying in vivo interaction of seed-specific transcription factors, RISBZ and RPBF , Functional & Integrative Genomics, Springer Berlin Heidelberg Berlin/Heidelberg,21,5,593-603.

73 Shukla, Varsa., Choudhary, Pooja., Rana, Sumi., Muthamilarasan, Mehanathan., (2021) , Structural evolution and function of stress associated proteins in regulating biotic and abiotic stress responses in plants , Journal of Plant Biochemistry and Biotechnology, Springer India New Delhi,30,4,779-792.

72 Choudhary, Pooja., Pramitha, Lydia., Rana, Sumi., Verma, Shubham., Aggarwal, Pooja

Rani., Muthamilarasan, Mehanathan., (2021) , Hormonal crosstalk in regulating salinity stress tolerance in graminaceous crops , *Physiologia Plantarum*, Blackwell Publishing Ltd Oxford, UK,173,4,1587-1596.

71 Andrew-Peter-Leon, MT., Selvaraj, Ramchander., Kumar, KK., Muthamilarasan, Mehanathan., Yasin, Jeshima Khan., Pillai, M Arumugam., (2021) , Loss of function of OsFBX267 and OsGA20ox2 in rice promotes early maturing and semi-dwarfism in γ -irradiated IWP and genome-edited Pusa Basmati-1 , *Frontiers in Plant Science*, Frontiers,12,,714066.

70 Rana, Sumi., Pramitha, Lydia., Muthamilarasan, Mehanathan., (2021) , Genomic Designing for Abiotic Stress Tolerance in Foxtail Millet (*Setaria italica* L.) , *Genomic Designing for Abiotic Stress Resistant Cereal Crops*, Springer,1,,255–289.

69 Choudhury, Aparajita., Verma, Shubham., Muthamilarasan, Mehanathan., Rajam, Manchikatla Venkat., (2021) , Identification of suitable reference genes for expression profiling studies using qRT-PCR in an important insect pest, *Maruca vitrata* , *Molecular Biology Reports*, Springer Netherlands,48,,7477-7485.

68 Dhaka, Annvi., Singh, Roshan Kumar., Muthamilarasan, Mehanathan., Prasad, Manoj., (2021) , Genetics and genomics interventions for promoting millets as functional foods , *Current Genomics*, Bentham Science Publishers,22,3,154.

67 Rana, Sumi., Pramitha, Lydia., Aggarwal, Pooja Rani., Muthamilarasan, Mehanathan., (2021) , Genomic Designing for Biotic Stress Tolerance in Foxtail Millet (*Setaria italica* L.) , *Genomic Designing for Biotic Stress Resistant Cereal Crops*, Springer,1,,295-311.

66 Leon MT, Andrew-Peter., Ramchander, S., Kumar, KK., Muthamilarasan, Mehanathan., Pillai, M Arumugam., (2021) , Assessment of efficacy of mutagenesis of gamma-irradiation in plant height and days to maturity through expression analysis in rice. , , , , ,.

65 Jency, James Poornima., Rajasekaran, Ravikesavan., Singh, Roshan Kumar., Muthurajan, Raveendran., Prabhakaran, Jeyakumar., Mehanathan, Muthamilarasan., Prasad, Manoj., Ganesan, Jeeva., (2020) , Induced mutagenesis enhances lodging resistance and photosynthetic efficiency of kodomillet (*Paspalum scrobiculatum*) , *Agronomy*, MDPI,10,2,227.

64 Singh, Roshan Kumar., Deshmukh, Rupesh., Muthamilarasan, Mehanathan., Rani, Rekha., Prasad, Manoj., (2020) , Versatile roles of aquaporin in physiological processes and stress tolerance in plants , *Plant Physiology and Biochemistry*, Elsevier Masson,149,,178-189.

63 Prasad, Ashish., Sharma, Namisha., Hari-Gowthem, Gunaseelen., Muthamilarasan, Mehanathan., Prasad, Manoj., (2020) , Tomato yellow leaf curl virus: impact, challenges, and management , *Trends in plant science*, Elsevier,25,9,897-911.

62 Muthamilarasan, Mehanathan., Singh, Roshan Kumar., Suresh, Bonthala Venkata., Rana, Sumi., Dulani, Priya., Prasad, Manoj., (2020) , Genomic dissection and expression analysis of stress-responsive genes in C4 panicoid models, *Setaria italica* and *Setaria viridis* , *Journal of Biotechnology*, Elsevier,318,,57-67.

61 Prasad, Ashish., Muthamilarasan, Mehanathan., Prasad, Manoj., (2020) , Synergistic antiviral effects against SARS-CoV-2 by plant-based molecules , *Plant Cell Reports*, Springer Berlin Heidelberg,39,,1109-1114.

60 Vetriventhan, M., Azevedo, Vania CR., Upadhyaya, HD., Nirmalakumari, A., Kane-Potaka, Joanna., Anitha, S., Ceasar, S Antony., Muthamilarasan, M., Bhat, B Venkatesh., Hariprasanna, K., (2020) , Genetic and genomic resources, and breeding for accelerating improvement of small millets: current status and future interventions , *The Nucleus*, Springer

India,63,,217-239.

59 Sharma, Namisha., Muthamilarasan, Mehanathan., Prasad, Ashish., Prasad, Manoj., (2020) , Genomics approaches to synthesize plant-based biomolecules for therapeutic applications to combat SARS-CoV-2 , Genomics, Academic Press,112,6,4322-4331.

58 Singh, Roshan Kumar., Prasad, Ashish., Muthamilarasan, Mehanathan., Parida, Swarup K., Prasad, Manoj., (2020) , Breeding and biotechnological interventions for trait improvement: status and prospects , Planta, Springer Berlin Heidelberg,252,,1-18.

57 Muthamilarasan, Mehanathan., Singh, Nagendra Kumar., Prasad, Manoj., (2019) , Multi-omics approaches for strategic improvement of stress tolerance in underutilized crop species: a climate change perspective , Advances in genetics, Academic Press,103,,1-38.

56 Singh, Roshan Kumar., Shweta, Shweta., Muthamilarasan, Mehanathan., Rani, Rekha., Prasad, Manoj., (2019) , Study on aquaporins of *Setaria italica* suggests the involvement of SiPIP3; 1 and SiSIP1; 1 in abiotic stress response , Functional & Integrative Genomics, Springer Berlin Heidelberg,19,4,587-596.

55 Pandey, Saurabh., Muthamilarasan, Mehanathan., Sharma, Namisha., Chaudhry, Vaishali., Dulani, Priya., Shweta, Shweta., Jha, Sarita., Mathur, Saloni., Prasad, Manoj., (2019) , Characterization of DEAD-box family of RNA helicases in tomato provides insights into their roles in biotic and abiotic stresses , Environmental and experimental botany, Elsevier,158,,107-116.

54 Jaiswal, Vandana., Gupta, Sarika., Gahlaut, Vijay., Muthamilarasan, Mehanathan., Bandyopadhyay, Tirthankar., Ramchiary, Nirala., Prasad, Manoj., (2019) , Genome-wide association study of major agronomic traits in foxtail millet (*Setaria italica* L.) using ddRAD sequencing , Scientific reports, Nature Publishing Group UK London,9,1,5020.

53 Prasad, Ashish., Sharma, Namisha., Muthamilarasan, Mehanathan., Rana, Sumi., Prasad, Manoj., (2019) , Recent advances in small RNA mediated plant-virus interactions , Critical reviews in biotechnology, Taylor & Francis,39,4,587-601.

52 Mehanathan, Muthamilarasan., (2019) , Fellowships and Funding Opportunities for School Students: The Way Forward , , Indian National Science Academy,,.

51 Yadav, Chandra Bhan., Pandey, Garima., Muthamilarasan, Mehanathan., Prasad, Manoj., (2018) , Epigenetics and epigenomics of plants , Plant Genetics and Molecular Biology, Springer International Publishing,,237-261.

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Projects

Title	Year	Duration	Amount(In Lakhs)	PI/I
Targeted editing of micronutrient bioavailability	2024	3	45.75	Principal Investigator
Strategic identification and targeted in foxtail millet (<i>Setaria italica</i> L.)	2024	3	62.55	Principal Investigator
Delineating the role of during extreme heat stress conditions	2024	3	53.67	Principal Investigator
Comparative morpho-physiological, ... of foxtail millet (<i>Setaria italica</i> L.)	2023	3	48	Principal Investigator
Decoding the mechanism drought stress conditions	2021	3	9.2	Co-Principal Investigator
Understanding the genetic using genome-editing approach	2021	3	40	Principal Investigator

Development of low phytic acid micronutrients	2018	3.4	33	Principal Investigator
Comparative and functional genomics foxtail millet (<i>Setaria italica</i> L.)	2017	5		
35 Principal Investigator				

Invited lectures

Title of talk

Event

Organizer

Date

Advances in millet research and its applications in climate-resilient agriculture

Faculty Development Programme (online) on Current Advances and Applications in Life Sciences

School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, Tamil Nadu

March 25, 2024

Millet genomics

A one-day symposium - 'BioTalks@BT-2024'

Department of Biotechnology, IIT Hyderabad, Telangana

March 19, 2024

Millet genomics: Progress and prospects

Joint International Conference on 'Millets for Food Security: Sustainable Resilience to Climate Change, Pests and Diseases'

Department of Plant Protection, Faculty of Agricultural Sciences, Aligarh Muslim University, Aligarh, Uttar Pradesh

February 21-22, 2024

A Decade of Progress in Setaria: From Structural to Functional Genomics

7th International Conference on Plant Genetics and Genomics (Theme: GM Crops and Genome Editing - Promoting Agrobiodiversity Use for Sustainable Agricultural Development)

Indian Council of Agricultural Research, New Delhi

February 17, 2024

Panelist in 'Diversification of Diet: How do ICDS, Mid-Day Meal Scheme and Urban Canteens Fair?'

ICSSR-UoH-IOE Sponsored One-Day Workshop on "Diversification of Diet: Importance of Inclusion of Millets in the Diet Menu of ICDS, Mid-Day Meal Scheme and Urban Canteens: A study of Select Metro Cities of Telangana and Karnataka"

School of Economics, University of Hyderabad

February 16, 2024

Millets for climate resilient agriculture

International Conference on Climate Resilience: Unraveling Molecular Solutions for a Sustainable Future (ICCRMSSF-2024)

Departments of Biosciences, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode, Tamil Nadu

February 15, 2024

Millet Research @ UoH

'Training Program for Knowledge Resource Persons' of Higher Education, Govt. of Andhra Pradesh

UoH-MMTTC (formerly HRDC)

January 31, 2024

Genomics and transcriptomics interventions to dissect climate-resilient traits in foxtail millet

45th Annual Meeting of Plant Tissue Culture Association (India) and Symposium on Recent Advances in Plant Biotechnology - 2024

Plant Tissue Culture Association (India) and Department of Biotechnology, Pondicherry University, Puducherry

January 25, 2024

Millet Genome Sequencing: Progress and Prospects

International Conference on 'Feeding the Future through Sustainable Eco-friendly Innovations in Rangeland, Forages and Animal Sciences'

Range Management Society of India and ICAR-Indian Grassland and Fodder Research Institute, Jhansi, event organized at University of Agricultural Sciences, GKVK, Bangalore, Karnataka

December 3, 2023

Research Methodology in Molecular Biology

Training Program on 'Research Methodology in Molecular Biology and Biotechnology'

Skill Development Centre, School of Life Sciences, University of Hyderabad, Telangana

November 15-18, 2023

Millet breeding for climate-smart agriculture: Avenues and Opportunities

ICAR-CAFT Training on 'Smart Breeding for Climate Resilient Agriculture'

Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu

November 29, 2023

Genomics

CSIR-UGC Coaching Class (Life Sciences)

Career Counseling Programme, University of Madras, Tamil Nadu

November 4, 2023

Feeding 10 billion by 2050: Can millets address the gap?

National Conference on Millets, "Millet Magic: Sowing Sustainable Futures - 2023"

SAFI Institute of Advanced Study, Malappuram, Kerala

October 17 & 18, 2023

Sequencing Millet Genomes for Trait Mapping and Improvement: Progress and Prospects

Online Refresher Course

ICAR- Indian Institute of Millets Research, Hyderabad, Telangana

September 14, 2023

Millets for Climate Resilient Agriculture: Progress and Prospects

Milicon-2023: An International Conclave on Millets

Jain University, Bangalore, Karnataka

September 13, 2023

Funding opportunities for Research students (Session I)

Academic writing (Session II)

Research Orientation Program 2023

Yogi Vemana University, Kadapa, Andhra Pradesh

September 8, 2023

Life in Agricultural Science: The Way Forward

Invited talk (online)

CCS Haryana Agricultural University, College of Agriculture, Bawal, Haryana

August 24, 2023

Exploring the nutri-potential of Millets: The Way forward

International Conference on "Mighty Millets for Food, Nutrition, and Health Security"

M S Swaminathan Research Foundation, Chennai, Tamil Nadu

August 6-8, 2023

Panelist in 'Agroecological Transition Challenges – Are we making this transition tough for farmers to adapt?'

AGLIBERTE 23 | Accelerating Sustainable Agriculture Development Goals

Krishnamurthi International Agriculture Development Foundation, Coimbatore, Tamil Nadu, and Building Ecological Regenerative Agriculture and Societies International, Sweden

August 5, 2023

Nutri-Potential of Millets (Session I)

Mining abiotic stress responsive genes using NGS (Session II)

Career Opportunities in Life Sciences (Session III)

DST-SERB sponsored High-End workshop on "Advanced Techniques in Augmenting Millets for Nutritional Security and Climate Resilient Agriculture"

ICAR-Vivekananda Institute of Hill Agriculture (Vivekananda Parvatiya Krishi Anusandhan Sansthan), Almora, Uttarakhand

July 21, 2023

Genomics and transcriptomics interventions to dissect climate-resilient traits in foxtail millet (*Setaria italica*)

International Conference on Millets: Breeding, Physiology, Genomics, Biotechnology, and Nutraceuticals-2023 (ICM-BPGBN-2023)

Department of Biosciences, Rajagiri College of Social Sciences, Cochin, Kerala

July 6, 2023

Millets for a healthy lifestyle

Summer Research Internship Program -2023

Skill Development Centre, School of Life Sciences, University of Hyderabad, Telangana

June 26, 2023

Genomic and Transcriptomic Analysis of abiotic stress responsive genes in foxtail millet

'International Millets Conference and Futuristic Food Expo 2023' (IMCFFE 2023)

Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu

May 25, 2023

Writing a Fulbright Application

Fulbright Mentoring Workshop

United States-India Educational Foundation, Hyderabad Chapter

April 17, 2023

Millets: The future superfood of India

Seminar on 'Millets: The future superfood of India'

J.D. Birla Institute, Kolkata, West Bengal

April 6, 2023

Millets for food and nutritional security: Promise or fallacy?

International Seminar on 'Use of Millets to Eradicate Malnutrition in Badly Hit World Population with Special Reference to Jharkhand'

Santosh College of Teachers' Training and Education, Ranchi, Jharkhand

March 19, 2023

Nutri-potential of millets

'Millet Conglomerate' on IYoM 2023

PSG College of Arts & Science, Coimbatore, Tamil Nadu

March 11, 2023

Genomic interventions for climate-resilient agriculture

12th National conference on 'Bioscience in Modern Era (BioME)'

Sri Krishna Arts & Science College, Coimbatore, Tamil Nadu

March 10, 2023

Impact of natural disasters on agriculture

National seminar on 'Impact of Natural Disasters on Environment'

Justice Basheer Ahmed Sayeed College for Women, Chennai, Tamil Nadu

March 9, 2023

Millets for India: Promise or Fallacy?

National Science Day-2023 celebrations (online)

SRM Institute of Science and Technology, Ramapuram, Chennai, Tamil Nadu

March 3, 2023

Millets for food and nutrition: Progress and prospects

Celebrations of International Year of Millets-2023

Indira Priyadarshini Govt. Degree College for Women, Hyderabad, Telangana

February 27, 2023

Nutrigenomics of millets

Webinar on 'Awareness on millets'

Seethalakshmi Ramaswami College, Trichy, Tamil Nadu

February 10, 2023

Genomic interventions for climate-resilient agriculture

International Conference on 'New Avenues in Applied Sciences'

Lady Doak College, Madurai, Tamil Nadu

February 3, 2023

Computational Genomics

Two-day's hands-on training program on 'Computational Genomics'

Sri Krishna Arts & Science College, Coimbatore, Tamil Nadu

January 27-28, 2023

Millet and their implications in human health: A case study of resistant starch

DST-STUTI workshop on 'Advanced Techniques in Biomedical Research'

Department of Biotechnology & Bioinformatics, University of Hyderabad, Telangana

January 18, 2023

Millet for Future

IYoM 2023 – Curtain Raiser

Kalinga Institute of Social Sciences, Bhubaneswar, Odisha

December 19, 2022

Genomic interventions for sustainable agriculture

Workshop on 'Next Generation Sequencing and its Implications in Agriculture and Human Health' (online)

Department of Biotechnology, Jaypee Institute of Information Technology, Noida

December 5, 2022

Implementing NEP 2020: A roadmap from Central University

Workshop on 'NEP 2020: From Awareness towards Implementation'

NEP 2020 Task Force Team, Sandip University, Nashik

November 26, 2022

Feeding 10 billion by 2050 – How?

One-day Seminar on 'Advances in Life Science Research'

SERB-SSR Scheme of Dr. Pallabi Mitra, Dept. of Animal Biology, SLS, University of Hyderabad, Telangana

October 19, 2022

Millets as functional genomics model for food, nutrition, energy, and environment

Technical Symposium on 'Basic Science and Technology for Sustainable Development'

Indian National Young Academy of Sciences (INYAS) in association with Bhabha Atomic Research Centre (BARC), Mumbai, Maharashtra

September 16, 2022

Making a career in Life Sciences: Challenges and Opportunities

World Bank Project (MPHEQIP) sponsored talk

Govt. M H College of Home Science and Science for Women, Jabalpur, Madhya Pradesh

September 12, 2022

CRISPR genome editing: An overview

Biotech Innovation Ignition School-12

BIRAC-Society for Research and Initiatives for Sustainable Technologies and Institutions' (SRISTI), Ahmedabad, Gujarat

July 1, 2022

Funding Opportunities for Postgraduate Students

Invited talk

Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu

June 24, 2022

Life in Life Sciences

Invited talk on Career Guidance

Centre for Marine Science and Technology, Manonmaniam Sundaranar University,
Kanniyakumari, Tamil Nadu

May 17, 2022

Sequencing Plant Genomes: Progress and Prospects

One day seminar on “Biotechnology for Food and Nutritional Security”

Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu

May 2, 2022

Plant Genome Analysis

One day Workshop on plant genome analysis

PSG College of Arts & Science, Coimbatore, Tamil Nadu

March 28, 2022

Writing Research Proposals-Projects for Grants-Funding

Research Guidance Workshop

Jaipur National University, Jaipur, Rajasthan

March 19, 2022

Basic concepts of genes, genome, genomics, & genomic databases (Day 1)

&

Transcriptomics & integrated omics approaches (Day 2)

DBT-STAR College Scheme sponsored training program (Two-days hands on training on plant genome analysis)

Sri Krishna Arts & Science College, Coimbatore, Tamil Nadu

March 16 – 17, 2022

Introduction to Economic Botany (Session I)

&

Medicinal Plants & Folklore/ Traditional Indian Medicinal Systems (Session II)

MoEFCC (GOI) sponsored GSDP on Advance Course in Para-Taxonomy

Madras Christian College, Chennai, Tamil Nadu

March 11, 2022

Academic Honesty & Integrity (Session I)

&

National and Global Trends in Higher Education (Session II)

UGC-HRDC sponsored Faculty Induction Programme,

Batch-X

UGC HRDC, University of Madras, Chennai, Tamil Nadu

February 1, 2022

Academic Honesty & Integrity (Session I)

&

National and Global Trends in Higher Education (Session II)

UGC-HRDC sponsored Faculty Induction Programme,

Batch-VIII

UGC HRDC, University of Madras, Chennai, Tamil Nadu

December 29, 2021

Next Generation Sequencing Approaches to Decode Millet Genomes

National seminar on “Barneyard millet – A Promising Crop for Future Needs”

Agricultural College and Research Institute, Madurai, Tamil Nadu

November 10, 2021

Career Paths in Life Science

National Webinar on Career Paths in Life Science

The American College, Madurai, Tamil Nadu

November 1, 2021

Can Biotechnology feed 10 billion by 2050?

Faculty Development Program on "Application of Omics Technologies in Life Sciences Research"

PSG College of Arts & Science, Coimbatore, Tamil Nadu

October 22 & 23, 2021

2-days Practical session on Genome Analysis using in silico Tools

Designer crops for the ever-growing population

Invited talk (online)

G.D.Goenka University, Gurugram, Haryana

November 17, 2020

Funding opportunities in Life Sciences

UGC-HRDC sponsored "Refresher Course on Life Sciences"

UGC HRDC, University of Hyderabad, Telangana

November 16, 2020

Conducting discipline specific research (Session I)

&

Designing inter-disciplinary and collaborative research proposals (Session II)

UGC-HRDC sponsored Faculty Induction Programme,

Batch-I

UGC HRDC, University of Madras, Chennai, Tamil Nadu

November 9 & 11, 2020

The neglected and underutilized crops (Session I)

&

Genes, genetics and genomics (Session II)

UGC-HRDC sponsored “Refresher Course in Botany” Batch-XIII

University of Madras, Chennai, Tamil Nadu

October 7 & 8, 2020

Achievements & success stories of omics in Indian agriculture

World Bank sponsored National Agricultural Higher Education Project – Conference

Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar

October 9, 2020

‘Small’ millets for ‘large’ population

Invited talk (online)

Govt. Degree College, Kukatpally, Telangana

September 5, 2020

Securing ExtraMural Funding in Life Sciences: Tactics and Strategies

Invited talk

Online National Faculty Development Programme

Ethiraj College for Women, Chennai, Tamil Nadu

July 27, 2020

Designer Crops

Invited talk (online)

The Biomix

[<https://www.thebiomix.com/>]

July 25, 2020

Mainstreaming underutilized crops to address food and nutrition security

Mentor Talk (Online)

CSIR-Summer Research Training Program 2020

CSIR-NEIST, Assam

[<http://www.neist.res.in/srtp2020/project6.php>]

July 14, 16, 17 & 21, 2020

Development of genetic and genomic resources in foxtail millet: Progress and prospects

Invited talk (online)

Bioingene

[<http://bioingene.com/>]

July 8, 2020

Pandemic & Hunger: A Hidden Truth

Invited talk (online)

The Standard Fireworks Rajaratnam College for Women, Sivakasi, Tamil Nadu

June 22, 2020

Life in Biotechnology: Challenges and Opportunities

Invited talk (online)

SAFI Institute of Advanced Study, Malappuram, Kerala

June 13, 2020

Career in Biotechnology: Challenges and Opportunities

Invited talk (online)

Sri Kaliswari College, Sivakasi, Tamil Nadu

June 6, 2020

Next generation genomics for crop improvement to address hunger and malnutrition

Invited talk (online)

Vel's Institute of Science Technology and Advanced Studies, Chennai, Tamil Nadu

May 21, 2020

Tips and Strategies for Publishing in Science

Invited talk (online)

Lady Doak College, Madurai, Tamil Nadu

April 29, 2020

Publishing in Science : Strategies and Tactics

Invited talk (online)

World Bank sponsored National Agricultural Higher Education Project – Workshop

Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra

April 22, 2020

Funding and fellowship opportunities for students in agricultural sciences

Invited talk

World Bank sponsored National Agricultural Higher Education Project - Workshop

ICAR-National Institute for Plant Biotechnology, New Delhi

February 22, 2020

.....Teaching

Subjects handled (present)

Program

Semester

Course code

Course

Theory / Practical

Credits

Teaching since

M.Sc. Plant Biology & Biotechnology

I

PB 405

Computer Applications in Biology*

Practical

1 out of 6

2022

M.Sc. Microbiology & Immunology

MB 405

1 out of 6

M.Sc. Plant Biology & Biotechnology

II

PB 451

Environmental Biotechnology*

Theory

1.5 out of 3

2020

PB 456

Molecular Biology*

Practical

1 out of 6

2024

M.Sc. Microbiology & Immunology

MB 456

1 out of 6

M.Sc. Microbiology & Immunology

III

MB 504

Microbial Genetics*

Theory

1 out of 2

2020

MB 505

Microbial Genetics*

Practical

1 out of 6

2021

M.Sc. (all programs in SLS)

IV

PB 579

Phylogenomic Biology*

Theory

1 out of 2

2021

Ph.D. (Pre-Ph.D. Coursework at SLS)

I

SL 802

Research and Publication Ethics

Theory

2 out of 2

2020

*For detailed syllabus, visit <http://sls.uohyd.ac.in/new/admin/uploads/departments/2.pdf>

Subjects handled (earlier)

Program

Semester

Course code

Course

Theory / Practical

Credits

Year(s)

Ph.D. (Pre-Ph.D. Coursework at SLS)

I

SL 804

Research and Publication Ethics

Theory

1 out of 2

2019 to 2022

Ph.D. (Pre-Ph.D. Coursework at SLS)

I

SL 803

Research and Scientific Communication

Theory

3 out of 4

2022

Ph.D. (Pre-Ph.D. Coursework at SLS)

I

SL 805

Omics in Biology

Theory

1 out of 3

2022

IMSc (Science stream)

IV

SB 253

Evolution and Diversity

Theory

1 out of 2

2022

.....Events Organized...

Organizing Secretary of International Symposium on Plant Biology and Functional Genomics organized by the Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (March 13 – 15, 2024)
Coordinator of Decoding the Transcriptome: An RNA-Sequencing Workshop organized by the

Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (December 13 – 15, 2023)

Organizing Secretary of International Conference on 'Current Trends and Future Prospects of Plant Biology' organized by the Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (February 23 – 25, 2023)

Convenor of Year-Long Celebrations of International Year of Millets - 2023 (under the direction of MoE, Govt. of India), funded by Institute of Eminence Directorate, University of Hyderabad, Telangana (September 2022 – December 2023)

Coordinator of Three Days of Hands-On Training on 'NGS Data Analysis' organized by the Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (September 20 – 22, 2022)

Coordinator of Journal Club of Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (August 2022 – till date)

Convenor of World Water Day Commemorative Seminar at Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (March 22, 2022)

Coordinator of 13th Plant Sciences Colloquium organized by the Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (October 29, 2021)

Coordinator of Plant Science Lecture Series of Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana to organize invited lectures in the Department (April 2021 – till date)

Convenor of World Food Safety Day commemorative National Webinar on 'Pandemics and Hunger: Mainstreaming Millets for Addressing Food and Nutritional Security' organized by Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Telangana (June 8, 2020).