

International Conference/Symposium

1. BK Chetri, L Rangan*, S Mitra, A Senapati, RK Shelke (2023) Mapping Genome Size Variation in Medicinal Plants of South-Eastern Bhutan: Prospects for Genomic Study. International Conference on Biodiversity, Food Security, Sustainability and Climate Change (ICBFSCC- 2023), AAU-Jorhat 25-28 April 2023.
2. R Idrishi, S Singha, L Rangan (2023) A review on Status and Extraction methods of Bioactive Compounds of Pigmented Rice Bran. 7th International Conference on Rice Bran Oil 2023, Hyderabad, India April, 22- 2023, 4th Position.
3. G Bhatt, A Gupta, **L Rangan**, AM Limaye (2022) Karanjin exerts partial estrogen-like effects in breast cancer cells, International Conference on Recent Trends and Future Opportunities in Pharmaceuticals. National Institute of Pharmaceutical Education and Research (NIPER) S.A.S. Nagar (Mohali), Punjab, India November 10-12, 2022. PHARMACON 2022, pp 110.
4. G Bhatt, **L Rangan**, AM Limaye (2022) Karanjin: An aryl hydrocarbon receptor modulator in breast cancer cells, International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy, Indian Institute of Technology Guwahati, Assam, India December 7-11, 2022, pp 308 (FPP- 225)
5. H Boro, M Hegde, A B Kunnumakkara, R Swaminathan, **L Rangan** (2022) Role of flavonoid 3,5-dihydroxy-7,4'-dimethoxyflavone in inhibiting cell proliferation and migration in colon cancer cell lines, International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy, Indian Institute of Technology Guwahati, Assam, India December 7 -11, 2022, pp 307 (FPP- 223)
6. A Senapati, VF Kharchandy, **L Rangan** (2022) Genome size estimation of tree species from North-East India: A flowcytometric approach, International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy, Indian Institute of Technology Guwahati, Assam, India December 7 -11, 2022, pp 213 (FPP- 043)
7. Nuzelu, **L Rangan**, R Swaminathan (2022) Monitoring Protein-DNA interaction using Protein Charge Transfer Spectra (ProCharTS), International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy, Indian Institute of Technology Guwahati, Assam, India December 7 -11, 2022, pp 209 (FPP- 035)
8. R Idrishi, S Singha, **L Rangan** (2022) A comparative study of physical and nutritional characteristics of Assam Black Rice with Manipur Black rice (Var. Chakhao poreiton), International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy, Indian Institute of Technology Guwahati, Assam, India December 7 -11, 2022, pp 310 (FPP- 229)
9. R Singh, S Kumar, **L Rangan** (2022) In-vitro study of the anti-viral activity of karanjin from *Pongamia pinnata* against Newcastle disease virus, International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy, Indian Institute of Technology Guwahati, Assam, India December 7 -11, 2022, pp 209 (FPP- 036).
10. S Senthilkumar, AN Panda, **L Rangan**, R Swaminathan (2022) Effect of pH and ions on absorption spectroscopic behaviour of Mammeigin in different solvent systems, Shotgun oral and poster presentation, 5th International Caparica Conference on Chromogenic and Emissive Materials, 2022, Caparica, Portugal. SG/PSG.09. pp 199
11. A Singh, MZ Ansari, S Senthilkumar, **L Rangan**, R Swaminathan (2022) Enhanced solubility, electronic absorption and fluorescence observed for Karanjin in aqueous SDS micelles compared to water, Oral Presentation, 5th International Caparica Conference on Chromogenic and Emissive Materials, 2022, Caparica, Portugal. O.02CA. pp 126
12. D Ahari, K Sahil, **L Rangan**, R Swaminathan (2022) SDS induced structural transition and cryoprotective function of plant IDP, dehydrin and its mutants. Biophysical Journal DOI:<https://doi.org/10.1016/j.bpj.2021.11.1754>
13. S Senthilkumar, **L Rangan**, R Swaminathan (2022) Investigating the role of surfactant charge

in the interaction of plant polyphenol mammeigin with micelles using UV-vis spectroscopy. Biophysical Journal DOI:<https://doi.org/10.1016/j.bpj.2021.11.35>

14. G Bhatt, A Kumar, P Satpati, AM Limaye, **L Rangan**, (2021) Karanjin mediated regulation of estrogen target genes in MCF-7 breast cancer cells, International conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Malaviya National Institute of Technology, Jaipur, India. April 04-08, 2021
15. MK Gupta, J Rajkumari, **L Rangan***, (2021) Synthesis and characterization of flavone-zinc complex compound and determination of its anti-biofilm efficacy, International conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021) Malaviya National Institute of Technology, Jaipur, India. April 04-08, 2021
16. S Sanjana, **L Rangan***, (2020) Spectroscopic investigations of Mammeigin from *Mesua ferrea* in understanding the structural dynamics under different solvent condition, A National Workshop on Fluorescence and Raman Spectroscopy (FCS-2020) IIT Bombay, Mumbai, India, December 7-12, 2020
17. A Senapati, VF Kharchandy, **L Rangan***, (2021) Genome Size estimation of woody tree species from North-Guwahati: A flow- cytometric approach, International conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Malaviya National Institute of Technology, Jaipur,India. April 04-08, 2021
18. H Boro, **L Rangan**, R Swaminathan, (2021) Effect of pH and SDS micelles on the solubility and structural properties of the flavonoid 3,5-dihydroxy-7,4'-dimethoxyflavone isolated from *Alpinia nigra*, International conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Malaviya National Institute of Technology, Jaipur, India. April 04-08, 2021
19. Nuzelu, **L Rangan**, R Swaminathan, (2021) Investigation of scIHF characteristics on protein charge transfer spectra (ProCharTS), International conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Malaviya National Institute of Technology, Jaipur, India. April 04-08, 2021
20. **L Rangan** (2021) Flow Mining for Genome Size Estimation. 22nd Indo US Flow Cytometry Workshop 22-28 Feb 2021, Webinar
21. **L Rangan** (2021) Homeopathy & Traditional Medicine: Herbals & High Dilution of Drugs for Human Health and Agriculture. 20th January Live Webinar
22. MK Gupta, AK Chiranjivi, VK Dubey* **L Rangan*** (2019) " Study of Zinc derivatized 3,5-Dihydroxy, 4', 7-Dimethoxyflavone against Leishmania parasite", International conference on " Nutraceuticals and Chronic diseases" 2019, pp- 141
23. S Senthilkumar, R Swaminathan*, **L Rangan*** (2019) " Purification and Characterization of Mammeigin: A possible therapeutic neoflavonoid from *Mesua ferrea*", International conference on " Nutraceuticals and Chronic diseases" 2019, pp- 230, 2019.
24. G Bhatt, A Kumar, **L Rangan***, AM Limaye* (2019) Insight into Estrogen Receptor alpha (ER-alpha) and ligands (Estrogen, Karanjin) interactions using Computer simulations", International conference on " Nutraceuticals and Chronic diseases" 2019, pp- 256, 2019.
25. **L Rangan*** (2019) Labdane diterpenes from seeds of *Alpinia nigra* as promising nutraceuticals. Fourth International Conference on Nutraceuticals and Chronic Diseases (INCD-2019) at Indian Institute of Technology (IIT) Guwahati, Assam, India during September 23-25th 2019 pp 58
26. A Singh, **L Rangan** (2018) Mining of bioactive from seeds of Karanj. BRSI Convention November 22-24, IICT Hyderabad. (Invited Talk)
27. **L Rangan (2018)**. Ethno-medicinal usage of Zingiberaceae- New Positives of Research in

Field of Applied Biodiversity 31 August, Symbiosis Pune. (Invited Talk)

28. **L Rangan**, R Das, RG Shelke (2018) Estimation of nuclear genome size and its correlation with *Ty1-copia* like LTR retrotransposon and cell phenotypic traits. Global Plant and Molecular Biology Conference (GPMB), Rome 20-23 Sep 2018. (Invited Talk)
29. **L Rangan** (2018). Maintaining Biodiversity in North-eastern India: Ethno-medicinal usage of Zingiberaceae. Biovision Alexandria, Alexandria 20-22, Egypt. (Invited Talk)
30. Ishani Chakrabarty, **L Rangan** (2018) *Alpinia nigra*: The unexplored ore of Zingiberaceae for future therapeutics; IJBS'17, 1st-4th February 2018, IIT Guwahati (**1st prize in Oral presentation**, Springer Award of 200 Euros), pp68
31. Reshmi D, **L Rangan** (2018) Genome size and *Ty1 copia* retroelements in biofuel crops. 24th ISCB Frontier Research in Chemistry & Biology Interface, 11th-13th January 2018, Manipal University, Jaipur. pp176
32. Chakrabarty I, Khare A, Panda AN, **L Rangan** * (2017) Vibrational spectroscopic studies of bioactive labdane diterpene from seeds of *Alpinia nigra* in conjugation with Cu nanoparticles; ICSIMR, 30th June-1st July 2017, IIT Guwahati, pp98
33. R Das, **L Rangan** (2017) Variation in leaf anatomical characters and total chlorophyll content in *Mesua ferrea* during abiotic stresses. International Symposium on Plant Biotechnology for Crop Improvement (ISPBCI-2017), 20-21 Jan IIT Guwahati, pp 65
34. RG Shelke, **L Rangan** (2017) Identification and characterization of long interspersed nuclear elements (LINEs) in *Pongamia*, *Ricinus* and *Jatropha*. International Symposium on Plant Biotechnology for Crop Improvement (ISPBCI-2017), 20-21 Jan IIT Guwahati pp 103
35. S Basak, **L Rangan** (2017) Genome size and chromosome number: keys to unfold polyploidization in taxonomically complex Zingiberaceae International Symposium on Plant Biotechnology for Crop Improvement (ISPBCI-2017), 20-21 Jan IIT Guwahati, T-15; pp15 (Invited Talk)
36. I Chakrabarty, A Khare, **L Rangan** (2016) Investigating the inhibitory effect and possible mode of action of (E)-labda-8(17), 12-diene-15, 16 from *Alpinia nigra* on *Candida albicans* at International Conference on Current Trends in Biotechnology organized by BRSI (8-10 December 2016) held at VIT University, Vellore.
37. I Chakrabarty, AN Panda, A Khare, **L Rangan** (2016) Raman spectroscopic studies of labdane diterpene, a bioactive compound from the seeds of *Alpinia nigra*. 22nd ISCB International Conference, 6-8 February 2016 Uka Tarsadia University, Surat, Gujrat pp.150
38. A Singh, M Sharma, **L Rangan**, AN Panda (2016) Structural characterization and flow cytometric investigation of glabrin, a complex cyclic amino acid from seeds of Karanja. 3rd International Congress of the Society for Ethnopharmacology (SFEC 2016), India. Peer Reviewed Journal of Ravishankar University. 29, 1 (Special Issue), pp. 161
39. M Sharma, A Singh, **L Rangan**, AM Limaye (2016) Estrogenic effect of Karanjin in MCF-7 breast cancer cells. 3rd International Congress of the Society for Ethnopharmacology (SFEC 2016), India. Peer Reviewed Journal of Ravishankar University. 29, 1 (Special Issue), pp. 195.
40. R Das, G Juerges, P Nick, **L Rangan** (2015) Flow cytometry based correlation of nuclear DNA content with cell phenotypic characters. In: Abstract book of International Conference

- on New Horizons in Biotechnology: 12th Annual Convention of The Biotech Research Society, India. 2015. Trivandrum, India, 22th- 25th Nov. (2015) pp.341
41. **L Rangan***, RG Shelke, A Singh, R Das, AM Ramesh, V Kesari (2015) Morphological, biochemical and genomic studies in *Pongamia*. Central University Hyderabad. Invited Talk
 42. **L Rangan** (2015). Energy recovery from waste legume. Indo-UK scientific seminar series, Jadavpur, Kolkata 11-14 Feb 2015
 43. D Yadav, L Barbora, T Rado, R Blanchard, **L Rangan**, P Mahanta (2015). Small Scale Anaerobic Digesters: A case study in UK and India. Bioenergy: An Engine for Economic Growth in the Global South? Organized by: Supergen Bio Energy HUB, USES Network, UKCDS in association with Imperial College of London, Durham University, University of Sussex, UK Energy Research Centre and Department of Energy & Climate Change. Date & Venue: 28 January 2015, Welcome Trust, London, UK.
 44. R Shelke, R Das, **L Rangan**. Evolution and distribution of LTR-retrotransposons in *Pongamia* and its correlation with genome size. 2nd International Conference on Biotechnology and Bioinformatics” (ICBB-2015), 6-8 Feb Pune 2015, pp 27-28. Oral presentation.
 45. A Singh, A Khare, A N Panda, **L Rangan**. Characterization of bioactive karanjin from seeds of Karanj. International Conference on "Medicinal Plants and Herbal Drugs for Human, 28-31 Jan, University of Madras, pp 77. **Best Poster Award**
 46. R Das, G Juerges, P Nick, **L Rangan**. Genome size of four biofuel crops. 4th International Science Congress, India, 8th- 9th Dec. 2014, Udaipur, p 67. Poster - 3BS – 12
 47. I Jahan, A Singh, A Khare, AK Panda, **L Rangan**. Isolation and structure elucidation of karanjin from seeds of *Pongamia pinnata*. 4th International Science Congress, India, 8th- 9th Dec. 2014, Udaipur, p 67. ISCA-ISC-2014- Poster-3BS-11
 48. D Yadav, A Choudhary, D Bora, L Barbora, **L Rangan**, P Mahanta. Thermochemical and Organic Pretreatment of Local Lignocellulosic Bioresources for Energy Production. International Conference on Emerging Trends in Biotechnology (ICETB 2014) XI Convnetion BRSI,6-9 Nov, New Delhi 2014, E-62
 49. S Ghosh, **L Rangan** (2014) Unveiling the effect of plant derived labdane diterpenes as promising bactericidal and anticancer agents. 55th Annual American Society of Pharmacognosy meeting, August 2nd - 6th, 2014 in Oxford, Mississippi Planta Med 2014;80 - PD30 DOI: 10.1055/s-0034-1382451
 50. J Bennetzen, Tushar, S Chaluvadi, J DeBarry, M Estep, J Vaughn, **L Rangan** (2013) Sample sequence analysis for the discovery of genetic relatedness, genome composition and genome evolution in flowering plants. 5th Intl Barcode on Life Conference, 27-31, Kunming, China.
 51. S Basak, AM Ramesh, **L Rangan** (2012) Ploidy levels of potential biodiesel crops determined by flow cytometry. World Congress on In Vitro Biology, Seattle, USA, 3-7 June 2012, pp. 3001 (poster presentation)
 52. AM Ramesh, Tushar, **L Rangan** (2012) Next generation sequencing and selective analysis of non-coding DNA in *Pongamia pinnata* Industrial conference on industrial biotechnology Nov 21-23, 2012, Patiala, pp210.
 53. Tushar, Srinivasa Chaluvadi, J Bennetzen, **L Rangan** (2012) Comparative study of selective population of junk DNA among Zingiberaceae members. Industrial conference on industrial biotechnology Nov 21-23, 2012, Patiala, pp230.
 54. S Basak, **L Rangan** (2012) Genome size estimation for selected species of Zingiberaceae from NE India. 6th International symposium on the family Zingiberaceae Sep 10-13 2012, Calicut, pp24.

55. S Ghosh, U Bora, **L Rangan** (2012) Phytochemical analysis and anticancer property of seed extracts of *Alpinia nigra* (Gaertn.) B.L.Burtt. 6th International symposium on the family Zingiberaceae Sep 10-13 2012, Calicut, pp38.
56. **L Rangan** (2012) "Expanding Horizons in Chemical and Biological Sciences: Innovations Crossroads" 17th ISCB International Conference (ISCBC-2012), 21st-24th January, 2012, Solapur (**ISCB Young Scientist Award Lecture in area of Biological Sciences**)
57. Tushar, Srinivasa C Rao, Jeffrey Bennetzen, **L Rangan** (2011) Mining of Zingiberoideae plastid genome for assessment of phylogenetic relationships. Plant Genome Evolution, Amsterdam, Netherland, 4-6 Sep 2011, pp. 1.6 (Poster presentation)
58. S Ghosh, **L Rangan**, U Bora (2010) Biodiversity, biorepositories and biobanking in India. International Workshop on Biodiversity and Climate Change 2010, 19-22nd Dec 2010, IIT Kharagpur, pp.50-51 (Poster presentation) (**AWARDED SECOND BEST POSTER AWARD**)
59. V Kesari, **L Rangan*** (2010). Systematic evaluation of candidate plus trees (CPTs), seed oil analysis and propagation techniques in *Pongamia pinnata* (L.) pierre, an alternative biodiesel crop occurring in North Guwahati, Assam, India. Bioenergy Systems Research Initiative, 2010 Annual Retreat, 15th November, UGA Athens pp. 38 (Poster presentation)
60. S Basak, Tushar, A Das, V Kesari, VK Dubey, **L Rangan*** (2010) Phylogenetic analysis in Zingiberaceae native to Northeast India using RAPD markers. International Conference on Genomic Sciences-Recent Trends (ICGS-2010), 12-14th November, 2010, MKU, Madurai, pp 120. (Poster presentation)
61. AM Ramesh, V Kesari, **L Rangan*** (2010) Characterization of *Rhizobium pongamiae* sp. nov., isolated from root nodules of Biodiesel plant *Pongamia pinnata*. International Conference on Genomic Sciences-Recent Trends (ICGS-2010), 12-14th November, 2010, MKU, Madurai, pp 112. (Poster presentation)
62. A Nath, A Das, **L Rangan**, A Khare (2010) Antibacterial activity of copper oxide nanoparticles synthesized via laser ablation in liquids., Xth International Conference on Fiber Optics and Photonics, 11-15th December, IIT Guwahati pp. 427 (Poster presentation)
63. Nath, A. Das, **L Rangan** and Alike Khare, Antibacterial activity of copper oxide nanoparticles synthesized via laser ablation in liquids? Proceeding of International Conference IISC-10 organised by? Jamia Millia Islamia? Delhi, December 2010
64. A Jain, S Hallihosur, **L Rangan*** (2009) Nanotechnology patenting: An Indian Scenario. Ist International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2009), Dec 7-9th 2009, IIT Guwahati, Assam, p.80 (Oral Presentation)
65. **L Rangan*** (2009) Significance of translation initiation factor (eIF) in stress response of crop plants. International conference on Emerging Trends in biotechnology. 6th BRSI Annual Convention, Dec 4-6th 2009, BHU, Varanasi, p.279 (Poster presentation)
66. V Kesari, **L Rangan*** (2009) Anatomical and biochemical changes during seed maturation and germination in biofuel crop, *Pongamia pinnata* L. International conference on Emerging Trends in biotechnology. 6th BRSI Annual Convention Dec 4-6th 2009, BHU, Varanasi, p.231-232 (Poster presentation)
67. A Das, **L Rangan*** (2009) Effect of plant growth regulators and culture conditions on shoot multiplication in three medicinally important *Zingiber* species of Northeast India. International conference on Emerging Trends in biotechnology. 6th BRSI Annual Convention, Dec 4-6th 2009, BHU, Varanasi, p.095-096 (Poster presentation)

68. **L Rangan***, V Kesari (2009) *Pongamia pinnata*- Sustainable Source of Feedstock for Biofuel. TWAS Regional Young Scientist Conference, Food, Health and Fuel: Plants for the future, Nov 2-5th, Malaysia p.47 (Poster presentation) (**AWARDED BEST POSTER AWARD**)
69. V Kesari, D Suman, **L Rangan*** (2009) Physiological and phylogenetic characterization of *Rhizobium radiobacter* sp. nov. isolated from root nodules of a potential biodiesel crop - *Pongamia pinnata*. TWAS Regional Young Scientist Conference, Food, Health and Fuel: Plants for the future, Nov 2-5th 2009, Malaysia p.23 (Oral Presentation).
70. A Das, V Kesari, **L Rangan*** (2009) Antimicrobial activity of rhizome extracts of some important ginger of Northeast India. TWAS Regional Young Scientist Conference, Food, Health and Fuel: Plants for the future, Nov 2-5th 2009, Malaysia p.71 (Poster presentation).
71. **L Rangan***, A Rout, M Sudarshan, G Gregorio (2009) Role of translation initiation factor (eIF1) gene in salt stress response in rice. 5th International Rice Genetics Symposium (Poster presentation)
72. A Das, V Kesari, MS Vinod, A Parida, **L Rangan*** (2008) Genetic diversity analysis of *Curcuma* species of Northeast India using RAPD and SSR markers. International conference on Plant Biotechnology and Molecular Biology, Aug 15-17th Warangal, Andhra Pradesh. p87. (Poster presentation).
73. S Aggarwal, A Das, V Kesari, M Sudarshan, MS Vinod, A Parida, GC Sharma, **L Rangan*** (2008) Use of plastid specific DNA Barcodes to identify and characterize the *Curcuma* species of Northeast India. International conference on Plant Biotechnology and Molecular Biology, Aug 15-17th Warangal, Andhra Pradesh Warangal. p87. (Poster presentation).
74. S Agarwal, A Das, V Kesari, GC Sarma, **L Rangan*** (2008). Use of DNA Barcodes to identify *Curcuma* sp of Northeast India. International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences, ICETAETS 2008, Jan 13-14th 2008, Rajkot, p. (Oral presentation).
75. V Kesari, A Das, A Krishnamachari, **L Rangan** (2008). Extraction and physico-chemical properties of seed oil from candidate plus tree of *P. pinnata*. International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences, ICETAETS 2008, Jan 13-14th 2008, Rajkot, p. 2116. (Oral presentation)
76. **L Rangan***, M Jaiswal, M Prasanna. (2007). Resonant Recognition model for prediction of lead in regions in proteins. Frontiers in convergence of Bioscience and Information Technologies, Oct 11-13th 2007, Jeju Island, Korea, p.24. (Oral presentation)
77. **L Rangan*** (2006). Building public-private partnership in agricultural biotechnology. 4th International Symposium on Biotechnology and Biocontrol, Nov 27-29th 2006, Madurai, TN, India, p. 174. (Oral presentation).
78. **L Rangan***, AK Srivastava, C Vogel. (2006). Consensus sequence and its significance in the sequenced genome of rice, *O. sativa*. 2nd International Rice Congress, Oct 9-14th 2006, New Delhi, India, p. 103. (Oral presentation)
79. SN Mishra, **L Rangan***, S Mitra (2006). Inventory of methane and nitrous oxide emission from agricultural soils of India: Assam as a case study. 2nd International Rice Congress, Oct 9-14th 2006, New Delhi, India, p. 461 (Poster presentation).
80. V Kesari, **L Rangan*** (2006). *In vitro* propagation of potential biodiesel plant, *Pongamia pinnata* (L.) Pierre. International conference on biofuel vision 2015, Oct 13-15th 2006, Bikaner, India, p. 169. (Oral Presentation).
81. **L Rangan**, R Rubia, R Abdullah, J Bennett, S Daskalova, A Gaudinova, M Kaminek, GS Khush, AC McCormac, S Peng, NW Scott, C-L Zhang, MC Elliott (2003) Enhancement of

- Cereal Grain Yield by Genetic Manipulation of Phytohormone Levels. MSSRF Inter-Disciplinary Dialogue Fifty Years After the Discovery of the DNA Double Helix The Legacy of Watson and Crick, Jan 9-12th 2003, Chennai, India, p. 5. (Plenary presentation).
82. MC Elliott, R Abdullah, J Bennett, NE Borlaug, MR Fowler, GS Khush, M Kaminek, S Peng, L Rubia, NW Scott, A Slater, C-L Zhang, **L Rangan*** (2003) Crop Biotechnology is Under Siege: We are Not Tuning a Cosy Consensus (Plenary Lecture). MSSRF Inter-Disciplinary Dialogue Fifty Years After the Discovery of the DNA Double Helix The Legacy of Watson and Crick, Jan 9-12th 2003, Chennai, India, p. 3 (Plenary presentation).
 83. **L Rangan***, R Abdullah, L Rubia, N Scott, A Slater, M Flower, S Daskalova, C L Zhang, M Elliott (2003). Clean-gene transformation vectors with senescence-specific and endosperm-specific promoters for rice genetic manipulation. International Society for Plant Molecular Biology Conference, June 22-27th 2003, Barcelona, Spain, p. 164. (Poster presentation).
 84. Rubia L, **L Rangan**, Abdullah R, Kaminek M, Scott N, Slater A, Elliott M (2003). Effects of expression of the cytokinin gene under the control of senescence and endosperm-specific promoters in transgenic rice. International Society for Plant Molecular Biology Conference, June 22-27th 2003, Barcelona, Spain. p.159 (Poster presentation).
 85. R Abdullah, **L Rangan**, L Rubia, CL Zhang, N Scott, M Elliott (2003). Towards a higher rice yield potential via *Agrobacterium*-mediated gene transfer. International Society for Plant Molecular Biology Conference, June 22-27th 2003, Barcelona, Spain, p. 159 (Poster presentation).
 86. CL Zhang, S Daskalova, XC Jiang, A Sorokin, L Rubia, **L Rangan**, M Mishra, M Fowler, J Bennett, G Khush, SB Peng, N Scott, A Slater, M Elliott (2003). Genomic/transgenic approaches to cereal improvement. International Society for Plant Molecular Biology Conference, June 22-27th 2003, Barcelona, Spain, p. 158 (Poster presentation).
 87. **L Rangan***, H Hosseini, J Bennett, MS Swaminathan, MC Elliott (2002). Protein changes in response to salt stress in *Porteresia coarctata* Tateoka. International Rice Congress, Sep 16-20th 2002, Beijing, China, p. 323. (Poster presentation).
 88. **L Rangan**, S Hosseini, J Bennett, MS Swaminathan, MC Elliott, NW Scott (2002). Molecular Cloning and Expression of Stress-Responsive eIF1 Gene in *Porteresia coarctata* Tateoka. 10th International Association of Plant tissue culture and Biotechnology Congress, June 23-28th 2002, Orlando, Florida, USA, 49-A. (Poster presentation).
 89. MC Elliott, J Bennett, NE Borlaug, S Daskalova, MR Fowler, X-C Jiang, M Kaminek, GS Khush, AC McCormac, MK Mishra, SB Peng, **L Rangan**, L Rubia, NW Scott, A Slater, CL Zhang (2002) Rice Biotechnology Versus the Anti-science Zealots (Plenary Lecture). International Rice Congress 2002, Sep 16-20th 2002, Beijing, China, p 121.(Plenary talk).
 90. S Hosseini, **L Rangan**, A Arif, L Wade, R Lafitte, G Gregorio, B Ghareyazie, J Bennett (2000). A proteomics approach to enhancing drought and salinity tolerance in rice. Symposium on Improving Tolerance to Abiotic Stresses in Rainfed Lowland Rice. International Rice Research Institute, Oct 21-22nd 2000, Los Banos, Philippines p. (Oral presentation).
 91. **L Rangan**, S Constantino, GS Khush, MS Swaminathan, J Bennett (2000). Applicability of PCR-based technique for mining of stress genes in rice and related genera's. 23rd International Rice Research Conferences. International Rice Research Institute, 30th March -4th April 2000, Los Banos, Philippines, p. (Poster presentation).
 92. CS Rao, P Eganathan, A Anand, **L Rangan**, P Balakrishna (1998). Application of biotechnology and classical breeding methods in the genetic enhancement of mangroves.

International Symposium on Mangroves Ecology and Biology, April 25-27th 1998, Kuwait, p. (Plenary talk).

93. **L Rangan**, CS Rao, R Finch, P Balakrishna (1996). Micropropagation studies in wild relative of rice, *Porteresia coarctata* (Roxb.) Tateoka. 2nd International Crop Science Congress, Nov 17-24th 1996, New Delhi, India, p. (Poster presentation).

National Conferences

94. Nuzelu, L Rangan, R Swaminathan (2023) Monitoring Protein-DNA interaction using Protein Charge Transfer Spectra (ProCharTS). 45th Indian biophysical society meeting, NCBS Bangalore, 27th -29th March 2023.
95. R Idrishi, S Singha, L Rangan (2023) Black rice starch: A nutritive alternative to conventional starch sources. Research and Industrial Conclave- Integration 2023, IIT Guwahati, Assam India.
96. **L Rangan** (2020). Role biotechnology in understanding the impact of climate change on plants. QIP sponsored event on 8 Dec 2020 CRT, IIT Guwahati (Webinar)
97. **L Rangan** (2020) Bio-economy Research & Innovation for Post COVID World. 5th NORTHEAST GREEN SUMMIT 2020 Nov 16-18, 2020
98. **L Rangan** (2020) Mining Pongamia alias 'Karanj' - Journey So Far. "National Seminar in Women in Science- The Northeast Chapter" 7 Nov 2020, Tripura University. (Webinar)
99. **L Rangan** (2020) Herbal therapeutic product development. QIP sponsored event on "Tools and practices for New Product Development for food and bio Industries" 6 Nov 2020, IIT Guwahati (Webinar)
100. **L Rangan** (2020) GM Seeds and IPR: Two opposite sides of the same coin. Two Days Webinar Symposium NERIST 4 Aug 2020
101. Das Reshmi, **L Rangan*** (2019) Stress evaluation in non-edible oil crops – anatomical, physiological and phytochemical approach; Indian Plant Science Congress (IPSC'19), 23rd – 25th January 2019, pp 45
102. Shelke Rahul G, **L Rangan *** (2019) Identification and characterization of genetic repeat elements from Pongamia pinnata for genetic diversity analysis; Indian Plant Science Congress (IPSC'19), 23rd – 25th January 2019, pp 51
103. Sadokpam Shreekant, Chakrabartty Ishani, **L Rangan *** (2019) Anti-bacterial susceptibility assessment of microemulsion formulation of labdane from *Alpinia nigra*; Indian Plant Science Congress (IPSC'19), 23rd – 25th January 2019, pp 108
104. Gupta Manish Kumar, **L Rangan** (2019) 3,5-dihydroxy-4'7-dimethoxyflavone: structural characterization, enzyme kinetics, and in-silico approach against melanogenic activity; Indian Plant Science Congress (IPSC'19), 23rd – 25th January 2019, pp 115
105. Chakrabartty Ishani, Kalita Naba Kumar, Katiyar Vimal, **L Rangan** (2019) Physico-rheological characterization of organically derived seed samples from *Alpinia nigra*; Indian Plant Science Congress (IPSC'19), 23rd – 25th January 2019, pp 116
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107. SenthilKumar Sanjana, **L Rangan***, Swaminathan Rajaram* (2019) Effect of extraction solvent system on the native structure of the plant metabolites: A study on para-coumaric acid from *Mesua ferrea*; Indian Plant Science Congress (IPSC'19), 23rd – 25th January 2019, pp 117
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110. Rahul GS, **L Rangan**. Study of expression of repetitive elements and their application for gene linked marker development in *Pongamia pinnata*; Genomics Analysis & Technology Conference (GATC 2018), 7th -9th January 2018, Guwahati University
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129. Shelke Rahul G, **L Rangan *** (2019) Identification and characterization of genetic repeat elements from Pongamia pinnata for genetic diversity analysis; Indian Plant Science Congress (IPSC’19), 23rd – 25th January 2019, pp 51
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131. Gupta Manish Kumar, **L Rangan** (2019) 3,5-dihydroxy-4’7-dimethoxyflavone: structural characterization, enzyme kinetics, and in-silico approach against melanogenic activity; Indian Plant Science Congress (IPSC’19), 23rd – 25th January 2019, pp 115
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174. V Kesari, AM Ramesh, **L Rangan*** (2010). Characterization in candidate plus trees (CPTs) of *Pongamia pinnata* (L.) Pierre, a versatile legume from North Guwahati, - A review. 33rd Conference of Indian Botanical Society and International Symposium on the New Horizons of Botany, 10th-12th Nov 2010, Shivaji University, Kolhapur, Maharashtra. p 217. (Poster presentation)
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183. **L Rangan**, Balakrishna P (1998) Analysis of genetic relationship using AFLP markers for wild rice, *Porteresia coarctata* T. Ist National Plant Breeding Congress. July 1-3rd 1998, Coimbatore p. (Oral presentation).