

## FACULTY PROFILE

**Name** : Dr. J. Philip Robinson

**Designation** : Assistant Professor

**Department** : Botany

**Date of Joining** : 04.08.2025

**Email** : [philiprobinson@americancollege.edu.in](mailto:philiprobinson@americancollege.edu.in)



### Educational Qualification:

Degree	Institution & University	Year	Specialization
B.Sc. in Botany	Bishop Heber College, Bharathidasan University	2001(69%)	Botany *University Rank Holder
B.C.S.	Tamil Nadu Theological Seminary, Madurai	2019	Christian Studies
M.Sc. in Botany	St. Joseph's College, Bharathidasan University	2003(67%)	Botany
M.Phil. in Botany	St. Joseph's College, Bharathidasan University	2005	Molecular Systematics and Antimicrobial Study of <i>Launea sarmentosa</i>
Ph.D. in Botany	St. Joseph's College, Bharathidasan University	2008	In vitro regeneration and phytochemical analysis of <i>Emilia zeylanica</i>

## TEACHING EXPERIENCE

<b>S. No.</b>	<b>Name of the College</b>	<b>Positision</b>	<b>Period From</b>	<b>To</b>
1.	Anglade Institute of Natural Hostory, Kodai kanal.	Lecturer	03.04.2006	31.08.2007
2.	K. S. Rangasamy College of Technology, Tiruchengode.	Lecturer	21. 09. 2007	31.05.2010
3.	K. S. Rangasamy College of Technology, Tiruchengode.	Assistant Professor	01.06.2010	01.07.2012
4.	K. S. Rangasamy College of Technology, Tiruchengode.	Associate professor	02.07.2012	31.07.2025
5.	The American College, Madurai.	Assistant Professor	04.08.2025	Till Date

## **SUPERVISION & RESEARCH CONTRIBUTIONS**

- Ph.D. Guidance: 1 Awarded (Anna University)
  - DNA Sequences Submitted to NCBI: 5 Sequences (e.g., *Streptomyces enissocaesilis*, *Bacillus siralis*)
  - Publications: 38+ peer-reviewed journal articles
  - Books Authored/Translated: 3
  - Book Chapters: 6
  - Conferences Chaired/Presented: Numerous national and international seminars
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## **PROFESSIONAL AFFILIATIONS**

- Indian Science Congress Association
- Nature Science Foundation, Coimbatore
- Society for Biotechnology, Cochin
- IEEE Engineering in Medicine and Biology Society (USA)
- Society for Scientific Values, University of Delhi

## **EDITORIAL ROLES**

- Technical Editor – Journal of Plant Science
- Journal of Biotechnology
- National Academy Science Letters (Springer)

## **INTELLECTUAL PROPERTY**

### **Copyright:**

*Manual on Laboratory Techniques in Fermentation Technology* (L-82931/2019)

Received copyright for the manual entitled “Manual on Laboratory techniques in Fermentation Technology” L-82931/2019, Ayyapadasan G., S. Rubavathi, P. Deepak Kumar, J. Philip Robinson.

*Manual on Fruit And Vegetable Processing Laboratory* (11264/2025-CO/L) Nagarjun T.G N., Nithish Kumr, s. alairjan P., Philip Robinson, J. Anitha, s. and S. Poornima

## **Books Published:**

1. Ponmurugan, P., **J. Philip Robinson** and B. Kalpana. (2011) Entrepreneurship in Biotechnology, Anuradha Publishing Company, Chennai- 600 061. (ISBN 978-81-907494-1-1)
2. Translated and Published a Book entitled “Pooulagin Osai” an environmental awareness Book written by Dr. Mathew Koshy Punnakadu and Dr Anne Koshy Punnakadu for Children, ISPCCK New Delhi- 110006, (ISBN- 978-93-88945-16-5)
3. Research Methodology, Dr P. Ponmurugan, Dr. J. Philip Robinson and Dr. S. Poornima, Akinik Publications, New Delhi, ISBN: 978-93-90541-08-9
4. Translated Book entitled “ Plantation Crops” written by Dr. K.V. Peter, Published by National Book Trust, Ministry of Education, Government of India, New Delhi, in to Tamil Entitled “**தோட்டப் பயிர்கள்**”

## **INTERNATIONAL CONFERENCES AND PRESENTATIONS**

- 9th Asian PGPR Conference, Bharathiar University, India (2024)
- 6th International Conference on Molecular Biology & Biotechnology, Kathmandu, Nepal (2019)
- IJSBAR Conference, Singapore (2015)
- International Conference on Science & Technology, Malaysia (2014)

## **RESEARCH PROJECTS**

- Title: Development of herbal coated stents for CAD prevention | Funding: Internal | Role: Principal Investigator | Year: 2022–2024
- Title: Exploration of endophytic fungi from mangroves | Funding: UGC Minor Research Project | Role: Co-Investigator | Year: 2018–2020
- Title: Biopolymer-based packaging from banana pseudostem | Funding: Institution Funded | Role: Research Mentor | Year: 2019–2021
- Title: In vitro conservation strategies for endangered medicinal plants | Funding: University Collaborative | Role: Principal Investigator | Year: 2016–2018

## PAPERS PUBLISHED

1. John Britto, S., Senthilkumar, S., Sebastinraj, J., **Philip Robinson, J** and Vinothkumar, D. (2004) *In vitro* Seed germination, Protocorm Growth and Development of *Dendrobium aqueum* Lindl. RETELL. Vol: 5, No: 1.
2. Sebastinraj, J., John Britto, S., **Philip Robinson, J.**, Vinoth Kumar, D and Senthilkumar, S. (2006) *In vitro* seed germination and plantlet Regeneration of *Coelogyne mossiae* Rolfe. Journal of Biological Research. 5: 79-84.(IF=0.618)
3. **Philip Robinson, J.**, John Britto, S., Sebastinraj, J., Vinoth Kumar, D and Senthilkumar, S. (2006) Micropropagation of *Emilia zeylanica* C.B.Clarke, by using explants of Inflorescence rachis. Journal of Biological Research. 5: 79-84. .(IF=0.618)
4. **Philip Robinson, J.**, John Britto S., and V. Balakrishnan (2009) Regeneration of plants through Somatic Embryogenesis in *Emilia zeylanica* C. B. Clarke a potential medicinal herb, Botany Research International, 2(1): 36- 41.
5. Balakrishnan, V., Ramlatha M., Ravichandran K. C., **Philip Robinson J.** (2009) Clonal Propagation of *Morus alba* L. through nodal and axillary bud explants, Botany Research International, 2(1): 42-49.
6. **Philip Robinson, J.**, V.Balakrishnan, J. Sebastinraj and S.John Britto.2009. Antimicrobial activity of *Alpinia calcarata* Rosc. And characterization of new  $\alpha$ ,  $\beta$  unsaturated carbonyl compound. Advances in Biological research 3(5-6) 185-187.
7. **Philip Robinson, J.**, S.John Britto and **V.Balakrishnan**2009. Micropropagation of *Costus speciosus* (Koem.ex.retz) Sm., an Antidiabetic Plant by Using Explants of Pseudostems, **Botany Research International** (2)3:182-185.
8. **Philip Robinson, J.**, V.Balakrishnan and S.John Britto.2009. In vitro seed germination and protocorm development of *Dendrobium aqueum* Lindl. A rare orchid species of Eastern Ghats of Tamilnadu. **Botany Research International.**(2)2:99-102.
9. Balakrishnan, V., K.C.Ravindran and **J. Philip Robinson.**2009. *In vitro* regeneration of *Impatiens campanulata* Weight. An Important Grass land plant. **Botany Research International** (2)2:123-130.
10. **Philip Robinson, J.**, S.John Britto, V.Balakrishnan.2009. Regeneration of plants through somatic Embryogenesis in *Emilia zeylanica* C.B.Clarke a potential Medicinal Herb. **Botany Research International**,(2(1):36-41.
11. Balakrishnan, V., P.Prema, K.C.Ravindran and **J.Philip Robinson.**2009. Ethnobotanical studies among villagers from Dharapuram Taluk, Tamilnadu, India. **Global Journal of Pharmacology**, 3(1):8-14.

12. Balakrishnan, V., **J. Philip Robinson**, A. Manickasamy and K. C. Ravindran. 2009. Ethnoveterinary among farmers from Dindigul District, Tamilnadu, India. **Global Journal of Pharmacology**, (3)1:15-23.
13. Balakrishnan, V., K. C. Ravindran and **J. Philip Robinson**. 2009. Effective regeneration of *Impatiens campanulata* Wight, a valuable medicinal plant from Western Ghats of Tamilnadu, India. **Global Journal of Pharmacology**, 3(1):41-49.
14. Vinoth Kumar, D, S. John Britto., J. Sebastin raj., **J. Philip Robinson** and S. Senthilkumar. 2009. Callus regeneration from stem explants of *Pseudarthra visida* (L.) Wight and Arn, - a vulnerable medicinal plant. *African Journal of Biotechnology* Vol 8(17)pp.4048-4051.
15. Srinivasan, T. R., Soumen Das., V. Balkrishnan., **J. Philip Robinson** and N. Kannan. 2009. Isolation and characterization of thermostable protease producing Bacteria from Tannery industry effluent. **Recent Research in science and Technology** 1(2):063-066.
16. **Philip Robinson. J.**, S. John Britto and S. Senthil Kumar. 2009. Comparative anatomical studies on *Emilia zeylanica* C. B. Clarke with in vitro regenerated plants. **Middle East Journal of scientific Research**: 4(3): 140-143.
17. **Philip Robinson, J.**, Srivardhini, S. and G. Sasikumar 2011 Somatic embryogenesis and plant regeneration from cotyledon tissue of *Arachis hypogaea* L. **Research in Plant Biology**, (1)3: 21- 27.
18. Philip Robinson, J. and M. Maheswari 2013, *In vitro* multiple shoot induction from nodal explants of *Capsicum annum* L. of kandhari variety. **International Journal of Current Microbiology and Applied Sciences**, 2(6): 57-63.
19. **Philip Robinson, J.** and S. Saranya 2013, An Improved method for the *in vitro* propagation of *Solanum melongena* L. **International Journal of Current Microbiology and Applied Sciences**, 2(6): 299-306.
20. Motaro Nyasani Esther and **Philip Robinson, J.** 2013, *In vitro* clonal multiplication of *Cardiospermum halicacabum* L. **Research in Plant Biology**, 3(5): 14-20.
21. **Philip Robison, J** and Jayashree, R. 2013, Effective Degradation and Evaluation of Coconut Waste Compost, **Research in Plant Biology**, 3(4): 55-59.
22. Aishwarya, L. and Philip Robinson, J. 2013, *In vitro* regeneration of *Lycopersicon esculentum* Mill. **Research in Plant Biology**, 3(5): 01-05.
23. **J. Philip Robinson**, K. Nithya, R. Ramya, B. Karthikbalan, K. Kripa, 2014, Effect of Vesicular Arbuscular Mycorrhiza *Glomus fasciculatum* on the growth and physiological response in *Sesamum indicum* L. *International Letters of Natural Sciences*, 18:47-62.

24. V. Balamurugan, V. Balakrishnan, **J. Philip Robinson** and M. Ramakrishnan, 2014 Anticancer and apoptosis-inducing effects of *Moringa concanensis* using hepG2 cell lines, Bangladesh Journal of Pharmacology, 9:604-609. (IF-0.514)
25. Sruthi Prema Sunil, **J. Philip Robinson**, S. S. Karthik Balan, M. anandhaPrabakaran and V. Balakrishnan, 2015, In vitro regeneration and induction of multiple shooting in *Cicer arietinum* L. using cotyledonary nodal explants, African Journal of Biotechnology, 14(13): 1129- 1138.
26. Sebastinraj, J. John Britto, S., Vinoth Kumar, D., **J. Philip Robinson**. and P. Thangavel (2014) Rapid propagation of *Vanda testacea* (Lindl.) Rchb.F.- A highly Medicinal value Epiphytic orchid from India, World Journal of Agricultural Sciences 10(5): 223- 230.
27. Vijayaram, S. **Philip Robinson, J.** and S. Kannan, 2017 Synthesis of Antibacterial and Anticancer substances by *Bacillus* Sp. PRV3 and *Bacillus* Sp. PRV 23, an Intestinal probiotics of Indian Fresh Water Fish, International Journal Pharmaceutical Sciences Review and Research, 43(2): 208-219.
28. **Philip Robinson Jayachandran** , Jyoti Prasad Kakati , Sebastinraj Joseph and Suriya Kumaresan In vitro seed germination of *Cymbidium aloifolium* (L.) Sw., a potential medicinal Orchid from Eastern Ghats of Tamil Nadu, India Journal of Plant Biotechnology, J. Plant Biotechnol (2017) 44:343–348.
29. **Jayachandran Philip Robinson**, Kumaresan Suriya, Ramasamy Subbbaiya, Ponnusamy Ponnurugan “Antioxidant and cytotoxic activity of *Tecoma stans* against lung cancer cell line (A549)”, Brazilian Journal of Pharmaceutical Sciences, 2017; 53(3) ; 1-5.
30. Naresh Srinivasan, Mohanraj Rajamanickam, Mythili Gnanamangai Balasubramaniyan **Philip Robinson Jayachandran**, Conversion of Plastic wastes to alternative fuel using G2F system, International Research Journal of Multidisciplinary Technovation(IRJMT), 2019;1(6):692-700.
31. Rajamanickam Mohanraj, Balasubramanian Mythili Gnanamangai, Kanthasamy Ramesh, Paneerselvam Priya, Ravichandran Srisunmathi, Shanmugam Poornima, Ponnusamy Ponnurugan, **Jayachandran Philip Robinson**, Optimized Production of Gamma Poly glutamic acid ( $\gamma$ -PGA ) using sago, Biocatalysis and Agricultural Biotechnology, 22(2019).
32. Arunachalam Thangakumar, Khader Syed Zameer Ahmed & Ahmed Sidhra Syed Zameer, Manimaran Vetrivel, Syed Ameen Syed Tajudeen, Ameer Khadharu Ibrahim Sheriff, Puniethaa Prabhu, **Jayachandran Philp Robinson** and Dastageer M. Sabu, Radical scavenging and antiproliferative effect of novel phenolic derivatives isolated from *Nerium indicum* against human breast cancer cell line (MCF-7)—an in silico and in vitro approach, Environmental Science and Pollution Research, <https://doi.org/10.1007/s11356-019-07252-x>
33. B. Mythili Gnanamangai, **J. Philip Robinson**, P. Ponnurugan, F. A. AL-mekhlafi, M. A. Farrag, M. Maruthupandy, T. Selvankmuar, and C. Sudhakar, "Molecular characterization of the phytopathogen *C. theae* (Petch) – Causative of birds eye spot infection in *Camellia sinensis* host

through DNA polymorphism and proteome analysis," *Physiol. Mol. Plant Pathol.*, vol. 118, p. 101809, 2022. doi: 10.1016/j.pmpp.2022.101809.

34. Mohanraj, R Gnanamangai, . B. M. Ramesh K., Priya, P. Srisunmathi, R. Poornima, S. Ponmurugan, P. and **J.P. Robinson**, "Optimized production of gamma poly glutamic acid ( $\gamma$ -PGA) using sago," *Biocatalysis and Agricultural Biotechnology*, vol. 22, p. 101413, 2019. doi: 10.1016/j.bcab.2019.101413.

35. **Robinson J. P.**, Suriya K., Subbaiya, R. and P. Ponmurugan, "Antioxidant and cytotoxic activity of *Tecoma stans* against lung cancer cell line (A549)," *Braz. J. Pharm. Sci.*, vol. 53, no. 3, 2017. doi: 10.1590/s2175-97902017000300204.

36. K. Suriya, **J. Philip Robinson**, S. Gowtham, and V. Anjanadevi, "Anti-biofilm efficacy of curcuma aromatic- a traditional herb against coronary stent infection causing bacterial strains," *\*Res. J. Biotech\**, vol. 12, no. 7, pp. 19, Jul. 2017.

37. **J. Philip Robinson**, P. J. Kakati, J. Sebastinraj, and K. Suriya, "In vitro seed germination of *Cymbidium aloifolium* (L.) Sw., a potential medicinal Orchid from Eastern Ghats of Tamil Nadu, India," *Journal of Plant Biotechnology*, vol. 44, no. 3, pp. 343-348, Sep. 2017. doi: 10.5010/JPB.2017.44.3.343.

38. **J. Philip Robinson**, Prasad Jyoti Kakati, J. Sebastinraj, and K. Suriya, "In vitro seed germination of *Cymbidium aloifolium* (L.) Sw., a potential medicinal Orchid from Eastern Ghats of Tamil Nadu, India," *Journal of Plant Biotechnology*, 1 vol. 44, no. 3, pp. 343-348, Sep. 2017. doi: 10.5010/JPB.2017.44.3.343

#### **BOOK ARTICLES:**

1. John Britto, S., Senthilkumar, S., Vinothkumar, D., **Philip Robinson, J.**, and Sebastinraj, J. (2004) Phenological and Cytological Related Molecular Approaches. *Molecular Systematics* Editor S.J Britto. 185-201
2. John Britto, S., Senthilkumar, S., Vinothkumar, D., Sebastinraj, J and **Philip Robinson, J.** (2004) New strategies on molecular biology applied to Microbial systematics. *Molecular Systematics* Editor S.J Britto. 202- 218.
3. **Philip Robinson, J.**, Pratibha, P., John Britto, S. (2009) Somatic Embryogenesis and plant regeneration of *Emilia zeylanica* C. B. Clarke, a rare medicinal herb. Guidelines for Entrepreneurship development programme to biotechnology graduates, Excel India publishers, New Delhi- 110 067; 54- 59. (ISBN 93-80043-18-X).
4. **Philip Robinson, J.** (2011) Choice based Credit System in Higher Education. Industry Institute Interaction in Biotechnology, MacMillan Publishers India Ltd., New Delhi- 110 002. (ISBN: 978-93505- 9057-7).
5. **Philip Robinson, J.** and Jyothi Prasad Kakati (2012) *In vitro* Seed germination and Protocorm development of *Cymbidium aloifolium*(L.) Sw. from Eastern Ghats of Tamil

Nadu, Current Scenario in Biotechnology Bloomsbury Publishing India Pvt. Ltd., New Delhi-110 015 (ISBN 978-93-82563-27-3).

6. Ramya, S., Nithya, K., and **J. Philip Robinson**, (2012) Infectivity and effectiveness of VAM on Sesame (*Sesame indicum*) and Sorghum (*Sorghum bicolor*) Current Scenario in Biotechnology Bloomsbury Publishing India Pvt. Ltd., New Delhi-110 015 (ISBN 978-93-82563-27-3).

#### **FACULTY DEVELOPMENT PROGRAMME:**

1. Participated in AICTE sponsored Faculty development programme on Strain selection and Improvement during 13-19 July 2009 organized by Department of Biotechnology, Vivekanandha college of Engineering for Women Elayampalayam, Tiruchengode.
2. Participated in AICTE sponsored Faculty development programme on Biotechnology Teaching Excellence Programme 2010(BTEP 2010) from during 24-29 May 2010 organized by School of Biotechnology and centre for continuing education National Institute of Technology, Calicut.
3. Attended NAIP National Train in course on Applications of Bioinformatics in Agriculture on 2-16 May 2011 organized by Bioinformatics Centre(DIC), IT-BT complex, Kerala Agricultural University, Trissur- 680 656.
4. Attended Software Training on statistical analysis Tool- SPSS organized by Department of Biotechnology, K. S. Rangasamy College of Technology, Tiruchengode on 22<sup>nd</sup> July 2011.
5. Attended Science Academies Lecture Workshop on challenges in Environmental Restoration organized by Department of environmental Biotechnology, Bharathidasan University, Tiruchirappalli on March 5-6, 2012.
6. Participated in UGC- Malaviya Mission Teacher Training Centre (MMTTC) sponsored FDP on NEP Orientation and Sensitization Programme organized by University of Kerala from 21.08.2024 to 03.09.2024.

#### **INVITED TALKS:**

1. Delivered lecture on “Molecular Systematics” at the Department of Biotechnology, K. S. R. college of Technology, Tiruchengode- 637 215.
2. Delivered a lecture on Entrepreneurship Development Programme on “Entrepreneurship through Plant tissue culture” on 4<sup>th</sup> March 2011 at Department of Biotechnology, K. S. R. college of Technology, Tiruchengode- 637 215.
3. Invited Talk In the One day workshop on “Entrepreneurship Development for Life science Graduates on 12<sup>th</sup> March 2011 at Department of Microbiology, Sree Amman Arts & Science College, Chittode, Erode- 638 102.
4. Delivered lecture on “Waste to energy” an AICTE sponsored Staff Development Programme on 21 May to 1<sup>st</sup> June 2012, organized by the Department of Civil Engineering, K.S. R. College of Engineering, Tiruchengode- 637 215.
5. Delivered a lecture on “Biotechnology in Textile” a national level symposium organized by the Department of Textile Technology, K.S. Rangasamy college of Technology, Tiruchengode on 2<sup>nd</sup> and 3<sup>rd</sup> September 2012.

6. Invited talk in one day refresher course to the school teachers entitled “Biotechnology and its applications” at Zion matriculation school, Thambaram, Chennai on 30<sup>th</sup> July 2014.
7. Delivered a lecture on “Different Plant Tissue culture practices for conservation and mass multiplication” a Popularization lecture series sponsored by Kerala state council for science, Technology and environment at St. Mary’s college, Trissur on 27<sup>th</sup> November 2014.
8. Invited Talk in the ICMR Sponsored One Day National level conference on “Molecular Diagnostics in Personalized Medicine” at Vellalar College of Engineering and Technology, Erode, entitled “Design and Fabrication of biomedical Stents for Cardiovascular Infection”.
9. Delivered a Lecture in the Green skill development Programme of the Ministry of Environment, forest and climate change sponsored Para-taxonomy Workshop at the Centre of advanced study in Marine biology, Faculty of Marine sciences Annamalai University, Parangipettai, Chidambaram, Tamil Nadu on 13.12.2018.
10. Delivered a lecture on DST PURSE sponsored one day workshop on Biodiversity and Restoration of Mangroves in the title of “Para Taxonomy for Biodiversity and its conservation” during the on 14<sup>th</sup> December 2019 at Faculty of Marine sciences Annamalai University, Parangipettai, Chidambaram, Tamil Nadu on 13.12.2018.
11. Delivered lecture in the National Level Faculty Development Programme on Emerging trends in Plant Science organized by the Department of Botany, Bishop Heber College, Tiruchirappalli, from 4<sup>th</sup> March to 11<sup>th</sup> March 2024.

#### **AWARDS AND RECOGNITION :**

1. Young Scientist Award – TNSCST (2008–09)
2. Consultancy Grant – Kodai Darwin Institute (2013)
3. Fellow Award – Nature Science Foundation (2017–18)
4. Best Faculty Award – NSF (2018–19)
5. Excellence in Research & Extension Award – PGPR National Conference, Bharathiar University (2024)
6. Coordinator for Purchase, Department of Biotechnology, K. S. Rangasamy College of Technology, Tiruchengode from oct-2007 to Till Date.
7. Coordinator for Board of Studies for B. Tech Biotechnology, K. S. Rangasamy College of Technology, Tiruchengode from oct-2007 to Till Date.
8. Ordained Presbyter ( Honorary) in church of South India ,Erode Salem Diocese

9. Programme Coordinator for B.Tech. Biotechnology course in the Department of Biotechnology, K. S. Rangasamy College of Technology, Tiruchengode from oct-2013 to Till Date.
10. Head of the Department, Department of Biotechnology, K. S. Rangasamy College of Technology, Tiruchengode from November 2016 to December 2023.
11. Head of the Department, Department of Food Technology, K. S. Rangasamy College of Technology, Tiruchengode from January 2024 to Till Date.

### **FUNDED RESEARCH PROJECTS FROM VARIOUS FUNDING AGENCIES**

S. No.	Name of the funding agency	Title of the Project	Reference	Amount received
1.	AICTE-MODROBS, New Delhi	Large scale production of antibiotics through modernization of bioreactors and accessories in the Bioprocess Engineering and Technology Laboratory	No.9-83/ RIFD/ MODROB/ Policy-1/ 2016-17 Dated 08th September 2017	14,00,000/-
2.	DBT, New Delhi.	Star College Scheme	25.01.2018	84,00,000/-
3.	DBT, New Delhi	DBT PG Teaching programme	BT IHRD/01/07/2020 dated 23.02.2021	94, 00,000/-

### **Research experience**

#### **1. Junior Research Fellow (JRF)**

Conservation through micropropagation and restoration of endemic, endangered and economically useful plants of the Kolli Hills in the Eastern Ghats of Tamil Nadu, India. – Funded by MoEF, Ref No. 23-3/2002/RE.

#### **2. Technical Assistant**

Popularization of orchid floriculture among rural masses by the adoption of mycorrhizal fungal technology – Funded by DST, Ref No. ST (TN)/ ST/ 2K1-191.

## **NPTEL Courses Completed**

1. Novel Technologies for Food Processing and Self Life Extension
2. Post-Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products

## **Countries Visited:**

1. Visited Nepal to attend Asian Plant Science Conference -organized by Society for applied Biotechnology and Biotechnology society of Nepal, Bhairahawa, Nepal on 01 st to 04 th November 2014.
2. Visited Singapore to Present a paper entitled Effect of physiological and morphological respoce of *Musa accuminata* under stress condition with different salinity levels duting 3 rd International conference of interdisciplinary approach in science and technology(ICIAST) National University of Singapore (NUS) Singapore 25 th to 27 th May 2019.
3. Visited Malaysia to Present Paper entitled Exploring the Therapeutic Potential of *Tecoma Stans* derived Nano particles and its antioxidant and anticancer applications during MAHSA International technology and Enginneering Conference ( Mi- TEC) 2024 organized by Faculty of Engineering Built environment and Information technology, MAHSA University, Malaysia on 24 th February 2024.