

CURRICULUM VITAE

Dr. Y. JUSTIN KOILPILLAI

Assistant Professor

Department of Botany

St. Joseph's College (Autonomous)

Tiruchirappalli – 620 002

Tamil Nadu, India.

+91-94443-85146 (Mobile)

+91-0431-4226436 (Off)

E-mail: justinkoilpillai@yahoo.co.in

ACADEMIC PROFILE

- 2009 **Ph.D. Botany** (Specialization in Plant Biotechnology), St. Xavier's College, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.
Title of the Thesis: Conservation Biology and Biotechnology of *Poeciloneuron pauciflorum* Bedd.
- 2001 **B. Ed., Biological Science**, St. Xavier's College (Autonomous), Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.
- 2000 **M.Sc. Botany**, St. Xavier's College (Autonomous), Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.
- 1998 **B.Sc. Botany**, St. Xavier's College (Autonomous), Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India.

EXPERIENCES OF TEACHING AND RESEARCH:

P.G. Assistant in Botany – Worked in Sakthi Matric. Hr. Sec. School, Kaniyamoor, Chinna Salem, Villupuram (Dt.), TN from June 2001 to April, 2002.

Junior Research Fellow – Worked in a project funded by DBT, Govt. of India, Centre for Biodiversity and Biotechnology, St. Xavier's College (Autonomous) Palayamkottai, Tamil Nadu, from June 2002 to May 2004.

Senior Research Fellow – Worked in the projects funded by DBT and MoEF, Govt. of India, Centre for Biodiversity and Biotechnology, St. Xavier's College (Autonomous) Palayamkottai, Tamil Nadu from June 2004 to March 2007

Assistant Professor in Biotechnology – Worked in Sathyabama University, Jeppiaar Nagar, Chennai, Tamil Nadu from June 2007 to June 2012.

Assistant Professor in Botany – Working in St. Joseph's College (Autonomous), Tiruchirappalli, Tamil Nadu from June 2012 onwards.

AREAS OF RESEARCH INTEREST

- Plant Tissue Culture (Tree species and Medicinal Plants)
- Plant Molecular Biology
- Conservation Biology of plants
- Plant Reproductive Biology
- Stress Physiology and Biochemistry of Plants
- Plant Taxonomy
- Microbiology

AS RESEARCH ADVISOR

There are **three (3)** Ph. D candidates acquired their Degree under my Supervision in Biotechnology. And also **three (3)** M. Phil in Biotechnology and **three (3)** M. Sc., in Botany candidates also done their project work under my guidance.

OTHER POSITIONS HOLD IN COLLEGE:

- MENTOR for the students of Commerce, Mathematics and Botany
- Micro Quality Cell Member (IQAC) in the Department of Botany for seven years
- NSS Programme officer for the UNIT III from August, 2017 onwards
- Botany Department Association President for the year 2018-2019
- Professional Counselor for the student

RESEARCH PAPERS PUBLISHED IN JOURNALS:

1. S. Sivasubramanian, L. Louis Jesudass, V. S. Manickam and **Y. Justin Koilpillai** (2005). Twin Seedlings in *Poeciloneuron indicum* Bedd. In: *Journal of Theoretical and Experimental Biology*, 1(4): 181-182.
2. **Y. Justin Koilpillai**, A. Benniamin and M. Charles (2005). Response of 2, 4-D to Control the Seed Germination of *Ipomoea carnea* Jacq.- A weed plant. In : *Indian Journal of Botanical Research*, Vol. 1 (2) : 263-266.
3. **Y. Justin Koilpillai**, A. Benniamin and V.S. Manickam (2005). Genetic variation in *Tylophora indica* (Burm. f.) Merril. Population assayed through RAPD markers. In: *Indian Journal of Botanical Research*, Vol. 1 (2): 267 – 272.

4. S. Wilson, V. S. Manickam, **Y. Justin Koilpillai**, S. Sivasubramanian and L. Louis Jesudass (2006). Two Distinct Distribution of an Endemic tree *Calophyllum austroindicum* Koesterm. Ex. Stevens in KMTR – Tirunelveli Hills. In : *J. Econ. Taxon. Bot.* Vol. 30 No. 3 : 566-569.
5. S. Wilson, V. S. Manickam, **Y. Justin Koilpillai**, S. Sivasubramanian and L. Louis Jesudass (2007). *Calophyllum austroindicum* Koesterm (Clusiaceae), an endemic tree of Tirunelveli Hills, Tamil Nadu in Western Ghats. In : *Indian Journal of Forestry*, Vol. 30(1) : 69-71.
6. **Y. Justin Koilpillai**, A. Benniamin , V.S. Manickam and L. Louis Jesudass (2007). Mycorrhizal association of two endemic trees of Western Ghats : *Poeciloneuron pauciflorum* Bedd. and *Poeciloneuron indicum* Bedd. In : *Indian Journal of Forestry*, Vol. 30(4) : 455-458.
7. S. Wilson, V.S. Manickam, **Y. Justin Koilpillai**, A. Victoria and S. Seeni (2008). Discrimination of Blue and White Flowered *Clitoria ternatea* Linn. through RAPD Assay. In: *Plant Cell Biotechnology and Molecular Biology*, Vol.9 (3&4): 81-88.
8. S. Wilson, **Y. Justin Koilpillai** and L. Louis Jesudass (2010). *In vitro* Multiplication and field Establishment of *Indoneesiella ecohides* L. – An Important Medicinal Plant. In : *International Journal of Biological Technology*, Vol. 1(2):64-68
9. **Y. Justin Koilpillai**, S. Wilson and L. Louis Jesudass (2010). The Magnitude Effect of the Inhibitory Effect of 2, 4-D on the Physico-Chemical Nature of *Ipomoea carnea* Jacq. (Convolvulaceae) - A weed plant. In: *International Journal of Biological Technology*, Vol. 1(2):102-106
10. **Y. Justin Koilpillai** and S. Wilson, (2010). Apomixis in a rare and endangered tree species *Poeciloneuron pauciflorum* Bedd. (Clusiaceae) endemic to Western Ghats of South India. In : *Advances in Pollen Spore Research*, xxviii : 71-82
11. **Y. Justin Koilpillai** and S. Wilson (2010). *In vitro* Propagation of *Graptophyllum pictum* L. (Acanthaceae)- A Medicinal plant. In: *Journal of Pharmacy Research*, Vol. 3(9): 2201-2202.
12. Thangavel Sekar, Muniappan Ayyanar, **Yesudason Justin Koilpillai**, Thangavel Sekar (2011). Phytochemical screening and antibacterial activity of leaf and callus extracts of *Centella asiatica*. In: *Bangladesh Journal of Pharmacology*, Vol. 6(1): 55-60.
13. R. Devika and **Justin Koilpillai** (2012). An overview on Plant Secondary Metabolites: Its Medicinal importance. In: *Journal of Pharmacy Research*, 5(2): 984-986.

14. R. Devika and **Justin Koilpillai** (2012). Phytochemical and *In vitro* Micropropagation studies of *Clerodendrum phlomidis* L. In: *Journal of Pharmacy Research*, 5(8): 4396-4398.
15. R. Devika, **Justin Koilpillai** and S.Nazareth Arockiamary (2012). *In vitro* micropropagation of *Sphaeranthus amaranthoides* Burm. F. In: *Recent Research in Science and Technology*, 4(4): 01-04.
16. B. Subashri and **Y. Justin Koilpillai** (2012). Phytochemical analysis and *in vitro* antioxidant activity from the extract of *Bacopa monnieri* (L.) Pennel – a Multipurpose Medicinal plant. In: *International Journal of Pharma and Bioscience*. Vol. 3(2): (B) 698-702.
17. **Y. Justin Koilpillai**, (2012), Leaf as a Potential New Source of Competent Cells for High Frequency Regeneration through Indirect Organogenesis in *Tylophora Indica* (Burm.f.) MERRILL (Asclepiadaceae). In: *Journal of Biomedical and Pharmaceutical Research* 1 (2): 46-50.
18. R. Devika and **Justin Koilpillai** (2012). Phytochemical Screening Studies of Bioactive Compounds of *Tagetes erecta*. In: *International Journal of Pharma and Bioscience*. 3(4): (B) 596 – 602.
19. Sundar S, Jayarami Reddy A, Saravana Kumar A, **Justin Koilpillai Y.** (2012). Effect of Plant Growth Regulators on *in vitro* Propagation of *Rhinacanthus nasutus* L. (Acanthaceae). In: *International Journal of Pharmacy and Industrial Research*. 2(4): 474-478.
20. B. Subashri and **Y. Justin Koilpillai** (2013). High frequency regeneration of *Bacopa monnieri* plant Callus derived from inter node. In: *International Journal of Pharma and Bioscience*. Vol. 4(1): (B) 263-266.
21. R. Devika and **Justin Koilpillai** (2014). *In vitro* Quantification study of Flavonoids from *Tagetes erecta*. In: *Asian Journal of Biotechnology*. Vol. 6 (1): 21-24.
22. B Subashri, **Y Justin Koilpillai** (2014). A Comparative Study of Antioxidant Activity of *Bacopa monnieri* (L.) Pennell using various Solvent Extracts and its GC-MS Analysis. In: *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol. 6(2): 494-498.
23. B Subashri, **Y Justin Koilpillai** (2014). *In vitro* Regeneration of *Bacopa monnieri* (L.) Pennell A Multipurpose Medicinal Plant. In: *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol. 6(4): 559-563.

24. R. Devika and **Justin Koilpillai** (2014). A Brief Review on the Prognosis of Burn Injuries towards Hypertrophic Scar In: *International Journal of Pharmaceutical Science and Health Care*. Vol. 3(4): 1-12.
25. R. Devika and **Justin Koilpillai** (2014). Etiology of Wound Healing and Hypertrophic Scar Formation. In: *International Journal of Pharmaceutical Science and Health Care*. Vol. 3(4): 78-86.
26. S. Karthick Raja Namasivayam, **Y. Justin Koilpillai**, R. S. Arvind Bharani and K. Samrat (2014). Synthesis, Characterization, Anti Bacterial Activity and Ecotoxicity of Silver Nanoparticles from Callus Extract of *Justicia jendaracia* (Burm.F). In: *Asian Journal of Pharmaceutical and Clinical Research*. Vol. 7(3): 212-216.
27. Sundar S. and **Y. Justin Koilpillai** (2014). GC-MS Analysis of Petroleum ether and Methanol Extracts of *Solanum virginianum* Leaves. In: *International Journal of Pharma and Bioscience*. Vol. 5(4): 561-568.
28. Devika R. and **Y. Justin Koilpillai** (2014). Screening and Evaluation of Bioactive Components of *Tagetes erecta* L. By GC-MS Analysis. In: *Asian Journal of Pharmaceutical and Clinical Research*. Vol. 7(2): 58-60.
29. R. Devika and **Y. Justin Koilpillai** (2014). Macrophages Scavenging Assay Study of Bioactive Compounds of *Tagetes erecta* Linn. In: *International Journal of Pharmaceutical Science and Health Care*. Vol. 6(4): 18-23.
30. Devika R. and **Y. Justin Koilpillai** (2014). *In silico* Docking Study of Salicylic Acid on Gene Expression during Wound Healing. In: *Journal of Chemical and Pharmaceutical Sciences*. Special Issue (2): 56-58.
31. Devika Regaswamy and **Justin Koilpillai** (2014). Physicochemical Screening of *Tagetes erecta* Linn. In: *Proceedings of the World Congress on Engineering*. Vol. I: 642-644.
32. R. Devika and **Y. Justin Koilpillai** (2015). Antimicrobial Activity Study of Flavanoids and Salicylic acids Extracted from *Tagetes erecta* Linn. In: *Nanobio Pharmaceutical Technology* (ELSEVIER) Special Issue: 493-497
33. Devika R. and **Y. Justin Koilpillai** (2015). Column Chromatographic Separation of Bioactive Compounds from *Tagetes erecta* Linn. In: *International Journal of Pharmaceutical Sciences and Research*. Vol. 6(2): 762-766.
34. Devika R. and **Justin Koilpillai** (2015). Anti-inflammatory effect of bioactive compound of *Tagetes erecta* (Linn.) flower extract. In: *Journal of Pure and Applied Microbiology*. Vol. 9(3): 2547-2550.

35. Sundar S. and **Justin Koilpillai Y.** (2015). Phytochemical Screening and Gas Chromatograph Mass Spectrometer Profiling in the leaves of *Solanum incanum* L. In: *Asian Journal of Pharmaceutical and Clinical Research*. Vol. 8(3): 179-188.
36. R. Devika and **Y. Justin Koilpillai** (2015). Quantitative analysis of bioactive compounds from *Tagetes erecta* (Linn). In: *Asian Journal of Pharmaceutical and Clinical Research*. Vol. 8(6): 185-187
37. S. Sundar and **Y. Justin Koilpillai** (2015). Antimicrobial Potential of Petroleum Ether Extract and Active Column Fractions of the *Solanum incanum* Leaves. In: *Journal of Pure and Applied Microbiology*. Vol. 9(4): 2949-2954.
38. S. Sundar and **Y. Justin Koilpillai** (2016). Pharmacognostic and Physicochemical Evaluation of *Solanum virginianum* L. Leaves (Solanaceae). In: *International Journal of Pharma and Biosciences*. Vol. 7(1): 40-44.
39. S. Sundar and **Y. Justin Koilpillai** (2016). Physicochemical Evaluation of *Solanum incanum* L. In: *Research Journal of Pharmacy and Technology*. Vol. 9 (4): 415-418.
40. **Y. Justin Koilpillai** (2017). *Ex situ* Conservation of the Rare and Endemic species of *Poeciloneuron pauciflorum* Bedd. In: *World Journal of Pharmacy and Pharmaceutical Sciences* Vol. 6 (12): 1505-1509
41. Herculis, D. SathishKumar and Y. Justin Koilpillai (2018). Evaluation of the Antimicrobial Efficacy of Aristolochia tagala leaf extract against selected human pathogenic bacteria and fungi. In: *International Journal of Innovative Research in Technology* Vol. 5 (2): 344-347.

CHAPTERS IN BOOKS:

1. Ecology of Pollen and Fungal Spore (2010). Edited by Dr. A. J. Solomon Raju, Published by Today & Tomorrow's Printers and Publishers, New Delhi.
2. Lecture Notes in Engineering and Computer Science (2014). Edited by S. I. Ao and Len Gelman and David WL Hukins and Andrew Hunter and A. M. Korsunsky, Published by Newswood Limited, International Association of Engineers, Hong Kong, Volume 2211 (1) : 642-644.

PAPERS ACCEPTED:

1. **Y. Justin Koilpillai**, and S. Wilson., Polyembryony in *Poeciloneuron pauciflorum* Bedd. In : *Journal of Theoretical and Experimental Biology*

2. **Y. Justin Koilpillai**, S. Wilson, and L. Louis Jesudass, A comparative study on antibacterial activity of different plant parts extracts of *Poeciloneuron pauciflorum* Bedd. and *Poeciloneuron indicum* Bedd. – In: *Indian Journal of Forestry*

PAPERS PRESENTED:

1. **Plants Fight Against Cancer**, presented in National Conference on the Frontiers of Research and Development in Medicinal Plants held at St.Xavier's College, Palayamkottai between 28th and 30th January, 2004.
2. ***In vitro* multiplication of *Poeciloneuron pauciflorum* Bedd. (Clusiaceae) an endemic tree of the Western Ghats of South India**, presented in National Seminar on Bioprospecting of Bioresources held at St. Xavier's College, Palayamkottai between 8th and 10th December, 2005.
3. **Reasons for the endemism of *Poeciloneuron pauciflorum* Bedd. (Clusiaceae) – A Rare and Endemic Tree species**, presented in National Conference on Forest Biodiversity Resources : Exploitation, Conservation and Management held at Madurai Kamaraj University on 21st and 22nd March, 2006.
4. **Thin-layer dehydration of Nendran banana leather** presented in Indian Chemical Engineering Congress CHEMCON -2010 held at Annamalay-Neyveli Regional Centre, Indian Institute of Chemical Engineers and Annamalai University, Chidambaram on 27th-29th December, 2010.
5. **Antibacterial activity of *Dipteracanthus prostrates* (Poir) Nees. (Acanthaceae) – An Important Medicinal Plant** presented in Second National Conference on Current Scenario in Microbial Biotechnology held at K.S. Rangasamy College of Technology, Tiruchengode on 10th and 11th March 2010.
6. **Optimization of solid state fermentation for Citric Acid production from date pulp** presented in Second National Conference on Current Scenario in Microbial Biotechnology held at K.S. Rangasamy College of Technology, Tiruchengode on 10th and 11th March 2010.
7. **Studies on *Vanilla pompon* for Secondary metabolite production (Vanillin) by Plant Tissue Culture method** presented in Second National Conference on Current Scenario in Microbial Biotechnology held at K.S. Rangasamy College of Technology, Tiruchengode on 10th and 11th March 2010.

8. **Pharmacognostic Studies of *Solanum virginianum* L.** presented in 64th Indian Pharmaceutical Congress, held at SRM University, Chennai, Tamil Nadu between 7th and 9th December, 2012.
9. **Phytochemical Analaysais and *in vitro* antioxidant activity from the extract of *Bacopa monnieri* (L) Pennel. – A Multipurpose medicinal plant** presented in International Conference on Sustainable Utilization, Management and Conservation of Bio-resources (ICSMCB'13) held at St.Joseph's College, (Autonomous) Tiruchirappalli between 10th and 11th January, 2013.
10. **Pharmacognostic Studies of *Solanum incanum* L.** presented in International Conference on Sustainable Utilization, Management and Cosnervation of Bioresources (ICSMCB'13) held at St.Joseph's College, (Autonomous) Tiruchirappalli between 10th and 11th January, 2013.
11. **Studies on the Effect of Physical Parameters on the Production of Protease Enzyme** presented in International Conference on Sustainable Utilization, Management and Cosnervation of Bioresources (ICSMCB'13) held at St.Joseph's College, (Autonomous) Tiruchirappalli between 10th and 11th January, 2013.
12. **Qualitative Phytochemical Screening and GC-MS analysis of *Solanum virginianum* L (Solanaceae)** presented in National Conference on Recent Advances in Biotechnology & Nanobiotechnology (BIONANO), held at Amity Institute of Biotechnology, Amity University, Gwalior between 29th and 30th of October, 2013.
13. **GC-MS Analysis of Phytochemical Constituents of *Solanum incanum* L (Solanaceae)** presented in International Conference on Environment and Sustainable Technologies, held at Manipal Institute of Technology, Manipal. Between 3rd and 5th January, 2014
14. ***In vitro* Studies on Two Adaptogenic Plants – *Tinospora cordifolia* (Miers) and *Cicer arietinum* L.** presented in National Symposium on Recent in Medicinal and Aromatic Plants (NASYMP-'14) held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th February, 2014.
15. ***In vitro* Regeneration of *Vernonia cienerea* – An anticancerous Plant** presented in National Symposium on Recent in Medicinal and Aromatic Plants (NASYMP-'14) held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th February, 2014.
16. ***In silico* Docking Study of Flavonoids on Gene Expression during Wound Healing** presented in International Conference on Architecture, Software Systems and Green Computing 2014 held at Aarupadai Veedu Institute of

Technology, Vinayaka Missions University, Chennai between 8th and 9th May, 2014.

17. ***In silico* Docking Study of Salicylic Acid on Gene Expression during Wound Healing** presented in National Conference on Plant Metabolomics (Phytodrugs-2014) held at Department of Biotechnology, BIT Campus, Anna University, Tiruchirappalli between 15th and 16th October, 2014.
18. ***In vitro* studies of *Cardiospermum halicacabum* L. – An Anticancerous Medicinal Plant** presented in National Symposium on Recent in Medicinal and Aromatic Plants (NASYMP-'15) held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th February, 2015.
19. **Phytochemical Analysis of *Syzygium benthaminum* – A Vulnerable Tree Species** presented in International Conference on Frontiers in Life Science held at St. Joseph's College (Autonomous), Tiruchirappalli, on 7th and 8th January, 2016
20. **Green Energy: Resources and Significance for the Future World** presented in International Conference on Frontiers in Life Science held at St. Joseph's College (Autonomous), Tiruchirappalli, on 7th and 8th January, 2016.
21. **Screening of *in vitro* Antioxidant Activity of *Solanum virginianum* Leaf Extracts** presented in 5th International Convention of Association of Pharmacy Professionals held at Anna University, Tiruchirappalli, Tamil Nadu on 22nd and 23rd January, 2016.
22. **Pharmacological Analysis of *Solanum incanum*** presented in National Symposium on Medicinal and Aromatic Plants (NASYMP '17) held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th February, 2017.

PAPERS COMMUNICATED :

1. **Y. Justin Koilpillai.** Micropropagation of *Dipteracanthus prostrates* (Poir) Nees. (Acanthaceae) – An important medicinal Plant – **African Journal of Biotechnology.**

PARTICIPATED :

1. Short term course on **Electrophoresis Techniques** held at The Electrophoresis Institute, Biotech, Yercaud between 6th and 8th November, 2002.
2. National Symposium on **Biotechnology for a Better Future** held at St. Aloysius College, Mangalore between 15th and 17th January, 2004.

3. National conference on **The frontiers of Research and Development in Medicinal Plants** held at St.Xavier's College, Palayamkottai between 28th and 30th January, 2004.
4. Régional workshop on **Techniques in Biology** held at St.John's College, Palayamkottai between 1st and 3rd March, 2004.
5. State level seminar cum workshop on **Bioengineering** held at K.R. College of Arts and Science, Kovilpatti on 23rd and 24th September, 2005.
6. National Seminar on **Bioprospecting of Bioresources** held at St. Xavier's College, Palayamkottai between 8th and 10th December, 2005
7. International Conference on **Sea, Land, People - Marine and Terrene Ecology** held at St. Xavier's College between 17th and 19th January, 2006.
8. National Conference on **Forest Biodiversity Resources : Exploitation, Conservaion and Management** held at Madurai Kamaraj University on 21st and 22nd March, 2006.
9. International Conference on **Applied Bioengineering iCAB 07** organised by Sathyabama University, Chennai between 5th and 7th December, 2007.
10. National Seminar-cum-Workshop on **Nanotechnology and Nano-biotechnology** organised by Sathyabama University, Chennai between 14th and 16th February, 2008.
11. National level workshop on **Recent Trends in Chemical Engineering and Biotechnology** held at St. Joseph's College of Engineering, Chennai on 11th August, 2008.
12. Faculty Development Programme on **Innovative Approaches in Biotechnology** held at Karpaga Vinayga College of Engineering and Tecnology, Kanchipuram on 20th August, 2008.
13. **Advanced Techniques in Molecular Biotechnology** held at Jeppiaar Engineering College, Chennai between 1st and 3rd September, 2009.
14. **International Conference on Biotechnological Solutions for Environmental Sustainability** – (Icon BSES, 2009) held at Vellore Institute of Technology (VIT), Vellore between 21st and 23rd October, 2009.
15. Second National Conference on **Current Scenario in Microbial Biotechnology** held at K.S. Rangasamy College of Technology, Tiruchengode on 10th and 11th March 2010.

16. National Conference on **Trends in Renewable Energy Sources, Applications & Climate Change** (TRESAC – 2010) held at Sathyabama University, Chennai on 24th and 25th September, 2010.
17. **Indian Chemical Engineering Congress (CHEMCON – 2010)** held at Annamalay-Neyveli Regional Centre, Indian Institute of Chemical Engineers and Annamalai University, Chidambaram between 27th and 29th December, 2010.
18. **98th Indian Science Congress** held at SRM University, Chennai between 3rd and 7th January, 2011.
19. 3rd Round Table Meet on **Climate Change, Agriculture, Sustainable Development and Public Leadership** held at Sathyabama University, Chennai on 4th and 5th February, 2011.
20. National Conference on **Algae and Algal Products** held at Sathyabama University, Chennai between 22nd and 24th September, 2011.
21. Two days International Workshop on **Challenges and Innovation in Renewable Energy Production** held at Vellore Institute of Technology (VIT), Vellore during 24th and 25th November, 2011.
22. **Orientation Programme for Junior Staff** held at St. Joseph's College (Autonomous), Tiruchirappalli between 11th and 14th June, 2012.
23. One-day State Level Workshop on **Histopathological Techniques (HITECH '12)** held at St. Joseph's College (Autonomous), Tiruchirappalli on 28th September, 2012.
24. Regional Workshop on **Histochemistry** held at St. Joseph's College (Autonomous), Tiruchirappalli on 18th, October, 2012.
25. National **Conference on Vulnerabilities and Adaptations of Fauna and Flora to Rapidly Changing Environment** (CONVAFFE '12) held at St. Andrew's College, Gorakhpur, U.P. on 21st and 22nd November, 2012
26. One-day State Level workshop on **Mushroom Cultivation** held at St. Joseph's College (Autonomous), Tiruchirappalli on 18th, December, 2012.
27. **International Conference on Sustainable Utilization, Management and Conservation of Bioresources (ICSMCB-'13)** held at St. Joseph's College (Autonomous), Tiruchirappalli during 10th and 11th January, 2013

28. National Conference on **Biodiversity Conservation and Sustainable Development** held at St. Andrew's College, Gorakhpur, UP during 6th and 7th February, 2013
29. One Day State Level Workshop on **Pharmacognostical Screening of Medicinal Plants** held at St. Joseph's College (Autonomous), Tiruchirappalli on 4th March, 2013
30. International Conference on **Natural Products in the Management of Cancer, Diabetes and Viral infections** held at SASTRA University, Tanjore, on 7th and 8th March, 2013.
31. **Orientation Training Programme for the Newly Recruited Teaching Staff in Grant-in-Aid** held at Loyola College (Autonomous), Chennai between 17th and 26th May, 2013.
32. **On Going Faculty Development Training** held at St. Joseph's College (Autonomous), Tiruchirappalli between 19th and 22nd November, 2013.
33. One Day State Level Workshop on **Microbiological and Phytochemical Techniques** held at held at St. Joseph's College (Autonomous), Tiruchirappalli on 18th December, 2013.
34. UGC Sponsored National Conference on **Advances in Biology (NCAB-2014)** held at St. Joseph's College (Autonomous), Tiruchirappalli during 6th and 7th January, 2014.
35. National Symposium on **Recent Advances in Medicinal and Aromatic Plants (NASYMP-'14)** held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th February, 2014.
36. One Day State Level Workshop on **Plant Taxonomy** held at St. Joseph's College (Autonomous), Tiruchirappalli on 26th February, 2014.
37. International Conference on **Architecture, Software Systems and Green Computing 2014** held at Aarupadai Veedu Institute of Technology, Vinayaka Missions University, Chennai between 8th and 9th May, 2014.
38. Training Workshop on **Plant Taxonomy Key Preparation** held at St. Joseph's College (Autonomous), Tiruchirappalli on 26th September, 2014.
39. One Day State Level Workshop on **Vermiculture Techniques** held at St. Joseph's College (Autonomous), Tiruchirappalli on 12th December, 2014.
40. One Day State Level Workshop on **Plant Tissue Culture Techniques** held at St. Joseph's College (Autonomous), Tiruchirappalli on 22nd December, 2014.

41. National Seminar on **Prospects and Challenges of Stem Cell Research** held at St. Joseph's College (Autonomous), Tiruchirappalli on 12th January, 2015.
42. National Seminar on **Clinical Research** held at St. Joseph's College (Autonomous), Tiruchirappalli on 21st January, 2015.
43. Science Academies' Lecture Workshop on **Vistas in Biosciences** held at St. Joseph's College (Autonomous), Tiruchirappalli between 30th and 31st January, 2015.
44. National Symposium on **Recent Advances in Medicinal and Aromatic Plants (NASYMP-'15)** held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th February, 2015.
45. National Seminar on **Dr. V. Balakrishnan Memorial CME Programme** held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th March, 2015.
46. **International Scientist Meet** held at St. Joseph's College (Autonomous), Tiruchirappalli on 15th December, 2015.
47. Seminar on **Nanoscience and Technology** sponsored by DBT-STAR College scheme held at St. Joseph's College (Autonomous), Tiruchirappalli on 20th January, 2016.
48. One Day State Level Workshop on **Plant Tissue Culture Techniques** held at St. Joseph's College (Autonomous), Tiruchirappalli on 3rd February, 2016.
49. Science Academies' Lecture Workshop on **Bioprospecting and Bioresources** held at St. Joseph's College (Autonomous), Tiruchirappalli between 10th and 12th February, 2016.
50. One Day Seminar on **Bio-informatics: Challenges & Applications** sponsored by DBT-STAR College scheme held at St. Joseph's College (Autonomous), Tiruchirappalli on 20th January, 2016.
51. **UGC Sponsored Orientation Programme** held at UGC-HRDC, Madurai Kamaraj University, Madurai between 1st and 28th, 2016.
52. A Training Programme in **Basic Skills in Counseling** for six days spread over Four Phases held at Counseling Centre, St. Joseph's College (Autonomous), Tiruchirappalli on 25th August, 2015, 12th & 13th October, 2015, 5th January, 2016 and 1st April, 2016 .

53. One-Day **International Seminar on Frontiers in Biological Sciences (ISFBS'16)** held at St. Joseph's College (Autonomous), Tiruchirappalli on 16th December, 2016.
54. National Seminar on **Global Food Security and the Role of Biotechnology in Sustainable Food Systems and Nutrition** held at St. Joseph's College (Autonomous), Tiruchirappalli on 5th January, 2017.
55. National Biodiversity Authority (NBA) Sponsored Training Programme on **Biological Diversity Act, 2002** held at Institute of Forest Genetics and Tree Breeding, Coimbatore between 1st and 3rd February, 2017.
56. One Day State Level Workshop on **Plant Tissue Culture Techniques** held at St. Joseph's College (Autonomous), Tiruchirappalli on 8th February, 2017
57. National Symposium on **Medicinal and Aromatic Plants (NASYMP-'17)** held at St. Joseph's College (Autonomous), Tiruchirappalli on 15th February, 2017.
58. Science Academies' Lecture Workshop on **New Vistas in Biodiversity and Bioresources (NIBIO' 17)** held at St. Joseph's College (Autonomous), Tiruchirappalli between 2nd and 4th August, 2017.
59. **NSS Orientation Course** Conducted by Empanelled Traing Institution, Madras School of Social Work at Bharathidasan University, Tiruchirappalli between 4th and 10th January, 2018.
60. One-Day International Colloquia on Bionanomaterials and Bionanotechnology (ICBB'18) held at at St. Joseph's College (Autonomous), Tiruchirappalli on 8th February, 2018.
61. **Two Day Workshop on NSS Documentation** held at Algappa Chettiar Government College of Engineering and Technology, Karikudi during 15th and 16th March, 2018.
62. **UGC Sponsored Refresher Course in Life Sciences & Biotechnology (IDC)** held at UGC-HRDC, Madurai Kamaraj University, Madurai between 16.11.2018 and 06.12.2018.

RESOURCE PERSON:

1. Delivered a special lecture entitled on "Biotechnology for a Better Future" on 18th September, 2013, organized by Bolivar Club, Department of Biotechnology, Cauvery College for Women, Tiruchirappalli – 18.

2. Delivered a special lecture on Tissue Culture Techniques during One Day State Level Workshop on Plant Tissue Culture Techniques held at St. Joseph's College (Autonomous), Tiruchirappalli on 22nd December, 2014.
3. Delivered a special lecture on Molecular Biology in CSIR-UGC NET Coaching class held at St. Joseph's College (Autonomous), Tiruchirappalli on 20th September, 2015
4. Delivered a series of lectures on Biodiversity in IAS Preliminary Examination Coaching Class held at JASS, St. Joseph's College (Autonomous), Tiruchirappalli during 2016-2017
5. Delivered a series of lectures on Biology in Bharathidasan University Sponsored TNPSC coaching Class held at St. Joseph's College (Autonomous), Tiruchirappalli during November-January, 2017
6. Delivered a special lecture on Environment Awareness on 6th March, 2018 during the Valedictory function of Economics Department Association at St. Joseph's College (Autonomous), Tiruchirappalli.

BIOTECHNOLOGY PRACTICALS CONDUCTED:

Tissue Culture Techniques:

1. **UGC sponsored Biotechnology Refresher Course** (3rd to 24th November 2003) organized by the Department of Botany, St. Xavier's College (Autonomous), Palayamkottai, Tirunelveli District, Tamil Nadu.
2. **Regional Workshop on techniques in Biology** (1st to 3rd March 2004) organized by the Department of Zoology, St. John's College, Palayamkottai, Tirunelveli District, Tamil Nadu.
3. **State level Seminar cum Workshop on Bioengineering** (23rd and 24th September, 2005) organized by the Department of Biochemistry and Microbiology, K.R. College of Arts and Science, Kovilpatti, Tuticourin District, Tamil Nadu.

TECHNICAL SKILLS:

Plant Tissue Culture Techniques

Induction of shoot and root from nodal and shoot tip explants
Callus culture from internodes and leaf explants
Embryo culture
Spore culture
Somatic Embryogenesis

Synthetic Seeds
Hairy Root culture
Protoplast Isolation and Culture

Molecular Genetics

Separation of Nucleic acids and Proteins
Purification of Nucleic acids and Proteins
Agarose Gel Electrophoresis
Polymerase Chain Reaction
RAPD Analysis
SDS-PAGE
Native Gel Electrophoresis

Basic Microbiological Techniques

Isolation, Cultivation and Characterization of Microorganism
Staining Techniques
Biochemical Testing
Antimicrobial activity Assays

Chromatography

Column Chromatography
Paper Chromatography
Thin Layer Chromatography

Cytology

Cytological slide preparation

Computer Knowledge

DOS, MS Word, MS Power Point, MS Excel, DTP and Handling of Internet.

Other Technical Qualifications

Type Writing: English Senior
Computer : DCA
Diploma in Agriculture.

PERSONAL DETAILS

Name	: Y. JUSTIN KOILPILLAI
Father's Name	: S. Yesudason
Date of Birth	: 08.06.1978
Sex	: Male
Nationality	: Indian
Religion	: Christian
Community	: BC/OBC
Marital Status	: Married
Passport No	: E 4988767
Educational Qualification	: M. Sc., B. Ed., Ph.D.,

Research Experience : 18 Years
Known Languages : English & Tamil
Permanent Address : 3/31, **ARUL ILLAM**
Main Road, Manur
Tirunelveli- (Dist.) 627 201
Tamil Nadu, India.
Contact Number : Mobile: +91 94443 85146
E-Mail : justinkoilpillai@yahoo.co.in