

## PROFILE

Name : Dr. S. SAHAYA SATHISH  
Date of Birth : 10.06.1968  
Qualification : M.Sc., M.Phil, Ph.D.  
Designation : Associate Professor



Address:  
Office : Dr. S. Sahaya Sathish  
Associate Professor

St. Joseph's College  
Tiruchirappalli – 620 002

### **Senate member**

Bharathidasan University  
Tiruchirappalli – 620 024

### **Director Cryptogamic study Unit**

Department of Botany  
St. Joseph's College  
Tiruchirappalli – 620 002

### **Director**

**CSIR – UGC Net Coaching Centre for  
Life Sciences**, School of Biological Sciences,  
St. Joseph's College  
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Residence : F 2, C – 96, Arivukkannuillam,  
Sastri road, Thillainagar,  
Tiruchirappalli-620 018  
Tamil Nadu

All	Since 2017	
Citations	672	420
h-index	12	10
i10-index	17	10

### ***Academic Qualification***

<b>Exam. Passed</b>	<b>Board / University</b>	<b>Subjects</b>	<b>Year</b>	<b>Division Grade / Merit</b>
<b>B.Sc.</b>	Madurai Kamaraj University	Botany	1988	First
<b>M.Sc.</b>	Madurai Kamaraj University	Botany	1990	First
<b>M.Phil</b>	Madras University	Botany	1991	Commended
<b>Ph.D</b>	Bharathidasan University	Botany	2010	Commended

#### **➤ Administrative positions held in the college:**

- **Dean**, School of Biological Sciences, St. Joseph's College (2019 – 2022)
- **Director**, CSIR-UGC NET/SET Coaching Centre for Life Sciences, School of Biological Sciences, St. Joseph's College.(2019 – till date)
- Member, Governing Body, St. Joseph's College, Tiruchirappalli (2019 – 2022).
- Member, Academic Council, St. Joseph's College, Tiruchirappalli (2019 - 2022).
- Member in Planning and Evaluation Committee (2019 – till date)
- Member in Internal Quality Assurance Cell (2019 – till date)
- Member in Examination Reforms Committee (2019 – till date)
- Member in Inventory Auditing Committee (2019 – till date)
- Member in UGC Affairs Committee (2016 – till date)
- Member in Curriculum Development Committee (2016 – till date)
- President of the Botany Association (2022 – till date)

- Research Advisory Committee member of St. Joseph's College from 2014 to 2020
- President of the Botany Association (2011-2012)
- Purchase Committee member (2010 -2011)
- Additional Chief Superintendent of Examination (2008-2009)
- President of the Botany Association (2007-2008)
- Library committee member of the College (2005-2007)
- Additional Chief Superintendent of Examination (2004-2005)

➤ **Association activities :**

- **State General Secretary**, Aided College Teachers' Association (ACTA), Tamilnadu. (2015 –2021).
- **Secretary**, Aided College Teachers' Association (ACTA), Tiruchirappalli Zone (2013-2015).
- **Secretary**, Aided College Teachers' Association (ACTA), Tiruchirappalli Zone (2011-2013).
- **Secretary**, St. Joseph's College Teaching Staff Association (2010-2012).
- **President**, Aided College Teachers' Association (ACTA), Tiruchirappalli Zone (2009-2011).
- **Secretary**, Aided College Teachers' Association (ACTA), St. Joseph's College Unit (2007-2009).

***Research Experience & Training***

<b>Research, Experience &amp; Training</b>	<b>Title of Work / Thesis</b>	<b>University / Institution where the research was carried out</b>
M.Sc	Studies on the effect of some heavy metals on seed germination and early seedling growth in Black Gram, Sorghum and Green Gram.	St. Xavier's College, Palayamkottai.

M.Phil	Comparative anatomical studies of root and branch woods certain taxa.	Presidency College, Madras University.
Ph.D	Studies on the Bryopsida (moss flora) of the Kolli hills in the Eastern Ghats of Tamil nadu, India.	St. Joseph's College, Bharathidasan University.

***Teaching Experience***

<b>Course Taught</b>	<b>Name of the University / College / Institution</b>	<b>Duration</b>
B.Sc&M.Sc	St. Xavier's College – Palayamkottai	1991 to 1999
B.Sc, M.Sc&M.Phil	St.Joseph's College – Tiruchirappalli	2000 onwards

***Total Teaching Experience***

- a. Under Graduate : 28 years – (6Yrs : FIP, Leave & Management vacancies) + 22Yrs (Aided)
- b. Post graduate : 26 years - (4 years leave vacancy) + 22 Years (Aided)

***Research Project Carried out***

<b>Title of the Major/Minor Projects</b>	<b>Name of the Funding Agency</b>	<b>Duration</b>	<b>Remarks</b>
Study of the diversity and the distribution pattern of mosses in Eastern Ghats of Tamil Nadu. (Major Project)	UGC	III Years 2012- 2015	Rs. 9,71,800

➤ **Ph D. Guideship:** Bharathidasan University, Tiruchirappalli.

PhD Awarded : 6

P.Vijayakanth,47362/Ph.D.K1/Botany/FullTime/January2013/Date:27.12.2012

A.Vimala, 34442/Ph.D.K1/Botany/Full Time/October 2013/Date:03.10.2013

R. Palani, 14162/Ph.D.K1/Botany/Full Time/July 2013/Date:28.06.2013

T.Thamizharasi, 7901/Ph.D.K1/Botany/Full Time/April 2013/Date:03.04.2013

R.Kavitha, 34544/ Ph.D.K1/Botany/Part Time/October 2012/Date:08.10.2012

S.Bavya, 27388/ Ph.D.K1/Botany/Full Time/January 2018/Date:18.12.2017

Synopsis submitted : 1

Ongoing students : 6

➤ **PhD Thesis adjudicated** : 3

➤ **M. Phil Guided:** Botany - 31 Candidates

Biotechnology- 2 candidates.

(For Bharathidasan University, Tiruchirappalli; Annamalai University, Chidambaram; Periyar University, Salem; Madurai Kamaraj University, Madurai, Tamil Nadu)

M. Phil Guideship (ongoing): Mother Teresa University – 3

Bharathidasan University - 1

#### List of few

1. T. Juliet Nirmala Rani 2K3FT-10991 Effect of UV-B radiation on growth and biochemical parameters of *Vignamungo*L. and *Sorghum vulgare* Pers. (Jowar.) 2004, St. Joseph's College, Bharathidasan University.
2. K. Kangapushpam A5592401 A study on physico – chemical parameters of Vaigai River in Madurai 2004 ManonmaniamSundaranar University.
3. S. Senthilkumar 06MPB105.*In vitro* regeneration and antimicrobial studies on *Rauwolfiaserpentina*(L) – an endangered medicinal plant, 2007, St. Joseph's College, Bharathidasan University.
4. S. Rajendran 06CD-29005 Studies on the antimicrobial activity of *Rauwolfiaserpentina* (L) stem extracts on some pathogenic bacteria. 2007. Bharathidasan University.

5. K. Ebenezer Jebarani 06CD-29342 In vitro Studies on the antimicrobial activity of *Rauwolfiaserpentina*(L) leaf extracts on some pathogenic bacteria. 2007. Bharathidasan University.
6. P.Pushphabai 06CD-29003 *Invitro* antimicrobial and preliminary phytochemical investigation of *Mukiamedaraspata* (L.) 2007, Bharathidasan University.
7. M. Simporian Raj.06DCCA1219. Studies on the effect of leaf extract of *Catharanthusroseus* (L.) a medicinal plant, against some selected pathogenic bacteria.2007 Periyar University.
8. U. Maniarasan 6DCCA1706.Antimicrbial screening of *Murraya exotica* (L.) – a medicinal plant. 10.2007 Periyar University.
9. K. Murugesan 06DCCA1682 In vitro antimicrobial studies on *Rauwolfiaserpentina* (L.) 2007 Periyar University.
10. V. Venkatachalam 06DCCA1711 Antimicrobial activity on certain medicinal plants from Western Ghats. 2007 Periyar University.
11. L. Antony Sahaya Lilly 06DCCA1472 Studies on the inhibitory effect of *Lantana camara* (L.) on some pathogenic bacteria. 2008. Periyar University.
12. A. Kanaka 13MBO101 Bio synthesis characterization and antimicrobial studies of silver nanoparticles using *Bryummedianum*.2013, St. Joseph's College, Bharathidasan University.
13. J. Vedhamani 15MBO101 Green Synthesis and Characterization of Silver Nanoparticles by using *Sematophyllumhumile* (Mitt.) Broth. a bryophyte plant and determination of its antimicrobial activity. 2016, St. Joseph's College, Bharathidasan University.
14. R. Meenapreethi 18MBO103. Green synthesis and characterization of silver nanoparticles from *Oldenlandiaumbellata*L. and their biological activities.

➤ **Details of Awards received :**

- Rev. Dr. J. L. Gnanaretnam award for best paper published from St. Joseph's College in the academic year 2008 – 2009.

- Rev. Dr. J. L. Gnanaretnam award for best paper published from St. Joseph's College in the academic year 2011 – 2012.
- Rev. Dr. J. L. Gnanaretnam award for best paper published from St. Joseph's College in the academic year 2018 – 2019.

➤ **Details of Seminars, Conferences and workshops organized:**

**a) Workshops**

1. As an Organized Secretary, organized a State Level Workshop on 'Pharmacognostical screening of medicinal plants' in the Department of Botany, St. Joseph's College, Tiruchirappalli, on 4<sup>th</sup> March, 2013.
2. Organized series of lectures as the Director for the CSIR-UGC NET/SET Coaching Centre for Life Sciences, School of Biological Sciences, St. Joseph's College. Tiruchirappalli.
3. Organized one day workshop on Draft 'National Educational Policy 2019' in Erode Arts and Science College, Erode on 29<sup>th</sup> June 2019.
4. Organized a special talk on 'The Novel Coronavirus (2019-nCoV) and its challenges' for the School of Biological Sciences, St. Joseph's College. Tiruchirappalli.

**b) Conferences (IN/N)**

1. As an Organized Secretary, organized the International Conference on "Recent Trends in Biological Sciences" in Department of Botany, St. Joseph's College (Autonomous), Tiruchirappalli, on 3<sup>rd</sup> and 4<sup>th</sup> June 2020.

**c) Programmes Organized**

1. As the Coordinator organized the St. Joseph's Botany Alumni meeting on 07.05.2022.
2. As the Coordinator organized the St. Joseph's Botany Alumni meeting on 25.02.2023

#### **d) Seminar :**

1. As an organizing President, organized the National Seminar on Human Microbiota – An Ecological approach in Department of Botany, St. Joseph's College, Tiruchirappalli, on 22<sup>nd</sup> January 2020.

➤ **Patent applied:** CBR Number: 21832, Patent numbered 202011028554, CBR date: 05.07.2020. Relating to 'Efficient and economic moss mediated synthesis of silver nanoparticles for resistance against some pathogens.

#### ➤ **Participation in Refresher Courses**

1. In Life Sciences, Jawaharlal Nehru University, New Delhi, 05.01.2009-30.01.2009.

2. In Bioinformatics, Bharathiar University, Coimbatore, 15.10.2004 – 04.11.2004.

#### ➤ **Participation in Orientation programme.**

1. UGC Academic Staff College, Bharathidasan University, Tiruchirappalli, 16.08.2002-12.09.2002

2. Two day orientation Programme for the Faculty on Recent Trends in Higher Education held on 15<sup>th</sup> and 16<sup>th</sup> July 2022.

#### **Resource Person**

1. As a **Judge** in “MILLETZO -2023- An Intercollegiate Millet Fest” organized by Department of Botany, St. Joseph's College, Tiruchirappalli – 620 002 on 8<sup>th</sup> March 2023.

2. As the **external examiner** conducted the **PhD Viva – Voce** of Mr. Sulaiman M, Research scholar, at 'Botanical Survey of India, Southern Regional Centre (SRC), Coimbatore – 641003 on 19<sup>th</sup> January 2023.

3. Convened the II **Doctoral Committee** meeting for Ms. Anushya, Ph.D Research Scholar, Department of Botany, Holy Cross College, Tiruchirappalli on 12<sup>th</sup> December 2022.



4. As a **Judge** for the poster paper presentation in the International Conference on ‘Scientific and Technological Advancements for Reliable and Sustainable –future (STARS -2022)’ conducted by the Deanery of Academics and all Science Departments at Bishop Heber College, Tiruchirappalli from 16.11.2022 to 18.11.2022.
5. As a **Judge** in “BIO-DE-FESTA -2022- An Intercollegiate Technical Fest” organized by Department of Biotechnology, St. Joseph’s College, Tiruchirappalli – 620 002 on 14<sup>th</sup> October 2022.
6. Served as Subject Expert – External to conduct an interview for staff selection in Botany, Holy Cross College (Autonomous), Nagercoil on 26.07.2022.
7. Delivered the **Keynote address** in One day National Seminar on ‘Tree Conservation Strategy of StalaViriksha, Department of Botany, SrimadAndavanArts & Science College, Tiruchirappalli – 620 005 on 1<sup>st</sup>July 2022.
  
8. Acted as the **Subject Expert** in the PG Board of studies in the Department of Botany of **Sri VidyaMandirArts & Science College (Autonomous), Katteri – 636 902, Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu, India** on 26.05.2022.
9. As the **Quiz master** for the ‘Prof. R. Rengarajan Inter Department Quiz Contest’ on 24<sup>th</sup> May 2022, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
10. As the **Quiz master** for the ‘Dr. V. K. George Intra Department Quiz Contest’ on 24<sup>th</sup> May 2022, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
11. As the **Chief Guest delivered the talk** in ‘Global Warming Awareness Programme’ organized by BA English Literature, Extension Department - Shepherd at Melanagamangalam, Manikandam Block, Tiruchirappalli – 620 012 on 08.05.2022.
12. Convened the I **Doctoral Committee** meeting for Ms. R. Tharani, Ph.D Research Scholar, Botanical Survey of India, Coimbatore on 09.03.2022.
13. Convened the III **Doctoral Committee** meeting for Mr. A. Amirtham, Ph.D Research Scholar, Department of Botany, St. Xavier’s College, Palayamkottai on 18.12.2021.

14. As a Resource person conducted the “Induction Programme for I UG Students” on 1<sup>st</sup> December 2021 at St. Joseph’s College, Tiruchirappalli – 620 002.
15. Delivered the **Special Address** in National webinar series on “Journeying through Intellectual Property Protection and Bio-Entrepreneurship” on 21<sup>st</sup> October 2021 organized by the Department of Biotechnology, St. Joseph’s College in collaboration with Bangalore Bio innovation Centre (Karnataka).
16. Delivered the **Special Address** in two days ‘International webinar on Research insights in Human diseases’ on 28<sup>th</sup> September 2021 at Department of Biotechnology, St. Joseph’s College, Tiruchirappalli – 620 002.
17. **Delivered the Guest lecture** on ‘BRYOPHYTES –a bird's eye view’ on 24.09.2021 in the Department of Botany, Nirmala College for Women, Coimbatore - 641 018 Tamil Nadu, India.
18. **Invited talk** on the topic of “Biodiversity, Medicinal Plants, Drug Discovery & Sustainable Development” in two days National Conference on 07 th& 08 th September 2021, sponsored by UGC-STRIDE & Conducted By Institution Innovation Council, St. Andrew’s College, Gorakhpur, Uttar Pradesh.
19. Convened the II **Doctoral Committee** meeting for Shri. P. Murugan, Ph.D Research Scholar, Botanical Survey of India, Coimbatore through virtual mode on 23.08.2021.
20. Convened the I **Doctoral Committee** meeting for Mis. E. Vidhya, Ph.D Research Scholar, Department of Botany and Microbiology, A.V.V.M.SriPushpam College (Autonomous), Poondi – 613503, on 18.08.2021.
21. Convened the I **Doctoral Committee** meeting for Mrs. S. Anushya, Ph.D Research Scholar, Department of Botany, Holy Cross College, Tiruchirappalli on 05.08.2021.
22. Convened the **Synopsis (III Doctoral Committee)** meeting for Br.A. Amirtham, Ph.D Research Scholar, Department of Botany, St. Xavier’s College (Autonomous), Palayamkottai, Tamil Nadu – 627 002 on 18.12.2021.
23. **Presides over the function and gave the presidential address** in ‘Health Awareness Programme’ conducted by Department of Data Science, St. Joseph’s College, Tiruchirappalli – 620 002 on 13<sup>th</sup> December 2021.
24. Delivered the **Special address** in National Webinar series on ‘Journeying Through Intellectual Property Protection and Bio-Entrepreneurship’

conducted by Department of Biotechnology, St. Joseph's College, Tiruchirappalli – 620 002 and Collaboration with Bangalore Bio Innovation Centre, Karnataka on 20– 21 October 2021.

25. Delivered the **Special address** in Two days international webinar on 'Research Insights in Human Disease' conducted by Department of Biotechnology, St. Joseph's College, Tiruchirappalli – 620 002 on 28 – 29 September 2021.
26. As the Guest **delivered a Lecture** on 'Bryophytes – a bird's eye view' on 24th September 2021 organized by Department of Botany, Nirmala College for Women, Coimbatore – 641 018.
27. **Delivered the Key note Address** on "Medicinal importance and Green synthesis of Nanoparticles from Bryophytes from Eastern Ghats, India." in the UGC – STRIDE sponsored National Conference on "Biodiversity, Medicinal plants, Drug discovery and Sustainable Utilization" on 8th September 2021 organized by Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh – 273 001.
28. Acted as the **Subject Expert** in the PG Board of studies for the Department of Botany of **Sri VidyaMandir Arts & Science College** (Autonomous), Katteri – 636 902, Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu, India on 26.08.2021.
29. Convened the II **Doctoral Committee** meeting for Mr. P. Murugan, Ph.D Research Scholar, Department of Botany, Botanical Survey of India, Coimbatore, Tamil Nadu – 641 046 on 23.08.21.
30. Convened the I **Doctoral Committee** meeting for Ms. E. Vidhya, Ph.D Research Scholar, Department of Botany, A.V.V.M Sri Pushpam College, Poondi - 613503 on 18.08.2021.
31. Convened the I **Doctoral Committee** meeting for Ms. S. Anusya, Ph.D Research Scholar, Department of Botany, Holy Cross College, Tiruchirappalli – 620 002 on 05.08.2021.
32. **Presides over the function and gave the presidential address** in Special Lecture on 'Overview on Intellectual Property Rights' conducted by IPR cell, St. Joseph's College, Tiruchirappalli – 620 002 on 18<sup>th</sup> march 2021.

33. As the **Guest of honour delivered the Valedictory Address** in International Conference on ‘Innovation and Relevance in Plant Science and Biotechnology’ organized by PG Department of Botany, Sri VidyaMandirArts and Science College (Autonomous), Katteri – 636 902 on 16<sup>th</sup> march 2021.
34. Presides over the function and gave the presidential address in the programme ‘ManavarKaviyarangam’ organized by the Department of Tamil, St. Joseph’s College, Tiruchirappalli – 620 002 on 10<sup>th</sup> march 2021.
35. As the Guest **delivered a talk** in Dr. D. I. Arockiasamy Endowment Lecture on ‘Environmental Awareness’SHEPHERD conducted by St. Joseph’s Higher Secondary School, Nagamangalam, Tiruchirappalli – 620012 on 1<sup>st</sup> march 2021.
36. As a **Judge** for the “Intercollegiate Debate Competition” titled on ‘Scientific invention is a boon or bane’ conducted by Department of Botany, Holy Cross College, Tiruchirappalli – 620 002 on 30<sup>th</sup> January 2021.
37. Acted as the **Subject Expert** in the Board of studies for the Department of Botany of **Sri VidyaMandirArts & Science College (Autonomous)**, Katteri – 636 902, Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu, India on 11.09.2020.
38. Convened the II **Doctoral Committee** meeting for Ms. D. Joanna Magdalene, Ph.D Research Scholar, Department of Botany, Bishop Heber College, Tiruchirappalli – 620 017 on 04.09.2020.
39. As the Guest **delivered a talk** on ‘Bryophyte – a traditional medicine hub’, in the lecture series SALVOS -2020 on 12<sup>th</sup> August 2020 organized by Department of Botany, Marthoma College, Chungathara, Malapuram District – 679 334, Kerala.
40. **Invited Lecture talk** on the topic of “Bryophyte: a treasure trove of modern medicine” in the National Conference on “Traditional Medicine Systems: their relevance and importance in health care systems of today and tomorrow” on 2<sup>nd</sup> July 2020, Organised by Department of Botany, St. Andrew’s College, Gorakhpur, Uttar Pradesh.

41. Convened the **Doctoral Committee** meeting for Mr. P. Murugan, Ph.D Research Scholar, Department of Botany, Botanical Survey of India, Coimbatore, Tamil Nadu – 641 046 on 24.06.2020.
42. As the Guest **delivered a talk** on ‘Bryophyte- Application of Nanotechnology and Production of Nano Drugs’, in the two days National Conference on ‘Traditional Medicine Systems: their relevance and importance in health care systems of today and tomorrow’ on 3rd July 2020 organized by Department of Botany, St. Andrew’s College, Gorakhpur, Uttar Pradesh.
43. As the Guest of honour delivered the **Inaugural address** for the two days webinar, on ‘Mossbauer Spectroscopy-Education of Iron in Biological System’ on 2nd June 2020 organized by Department of Botany, St. Mary’s College, Thoothukudi, Tamil Nadu – 628 001.
44. Delivered the **special lecture** on ‘Green Nanotechnology’ in the Valedictory function of Biochemistry Association on 27<sup>th</sup> January 2020 at Department of Biochemistry, St. Joseph’s College, Tiruchirappalli, Tamilnadu – 620 002.
45. As the **external examiner** conducted the **PhD Viva – Voce** of Deepa K.M., Research scholar, PG and Research Department of Botany at ‘The Zamorin’sGuruvayurappan College’, Kozhikode, Kerala – 673014 on 30.12.2019.
46. Acted as the subject expert in the **Board of studies** for the Department of Botany of Vivekanandha College of Arts and Sciences for women, Tiruchengode, NamakkalTamilnadu – 637 205 on 29.05.2019.
47. Acted as the External member for the **Board of studies** for the Department of Botany, SrimadAndavan Arts and Science College (Autonomous), Tiruchirappalli, Tamilnadu – 620 005 on 26.04.2019.
48. Acted as the **Subject Expert** for the Board of Studies held in the Department of Botany of Holy Cross College, Nagercoil, Tamilnadu – 629 004 on 04.02.2019.
49. As the **Chief Guestdelivered the talk** on ‘Green Nanotechnology : It’s Easier than You Think’ in the National Seminar organised by Department of Botany of Holy Cross College, Nagercoil, Tamilnadu – 629 004 on 22.01.2019.

50. Convened the **Doctoral Committee** meeting for Mr. A. Amirtham, Ph.D Research Scholar, Department of Botany, St. Xavier's College (Autonomous), Palayamkottai, Tamil Nadu – 627 002 on 12.10.2018.
51. Acted as the subject expert in the **Academic audit Committee** of the Department of Botany of Holy Cross College, Nagercoil, Tamilnadu – 629 004 On 24.08,2018.
52. Acted as the **External member** for the **Board of studies** for the Department of Botany of Andavan Arts and Sciences(Autonomous), Tiruchirappalli, Tamilnadu – 620 005 On 09.08.2018.
53. Acted as the subject expert in the **Board of studies** for the Department of Botany of Vivekanandha College of Arts and Sciences for women, Tiruchengode, NamakkalTamilnadu – 637 205 On 27.06.2018.
54. Acted as **Chairperson** for the Oral and Poster Presentation Session in the Plant Sciences theme 'International Symposium on Innovations and Advancements in Agriculture and Plant Sciences (IAAPS 2018) organised by DhanalakshmiSrinivasan Agriculture College, Perambalur, Tamilnadu on 23<sup>rd</sup> May 2018.
55. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 6<sup>th</sup> March 2018, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
56. Delivered the **special lecture** on 'Green Nanotechnology – A tool for drug delivery' on 21<sup>st</sup> July 2017 at Department of Botany, J.J. College of Arts and Science, Pudukottai - Tamilnadu – 622 422.
57. Acted as the **Subject Expert** for the Board of Studies held in the Department of Botany for M.Sc Botany in Vivekanandha College of Arts & Sciences for Women, Tiruchengode – 637 205 on 17th July 2017.
58. As the **Chief Guest**delivered the **inaugural address** in Seminar 'Heber Botany Annual Seminar' (HEBS – 2017) Department of Botany, Bishop Heber College, Tiruchirappalli – 620 017 on 07.04.2017.

59. Convened the **Doctoral Committee** meeting for Mr. AzhakarSwamy, Ph.D Research Scholar, Department of Botany, Periyar EVR College, Tiruchirappalli – 620 023 on 30.03.2017.
60. As the **Doctorial Committee** member conducted the Ph.D synopsis Viva-voce for V. Ayyadurai, Ph.D research scholar at National College, Tiruchirappalli – 620 001 on 1<sup>st</sup> March 2017.
61. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 23<sup>th</sup> February 2017, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
62. Convened the **Doctoral Committee** meeting for Ms. D. Joanna Magdalene, Ph.D Research Scholar, Department of Botany, Bishop Heber College, Tiruchirappalli – 620 017 on 24.01.2017.
63. Convened the **Doctoral Committee** meeting for Mr. P. Vivekraj, Ph.D Research Scholar, Department of Botany, Bishop Heber College, Tiruchirappalli – 620 017 on 21.09.2016.
64. As the **Doctorial Committee** member conducted the Ph.D synopsis Viva-voce for Mr. C. Thilip, Ph.D research scholar at Jamal Mohammed College, Tiruchirappalli – 620 020 on 19<sup>th</sup> September 2016.
65. As the **Chief Guest delivered the talk** on 'Nanotechnology' in the 'International Conference on Biotechnology (ICCSFPOB – 2016) Department of Biotechnology, Thanthai Hans Roever College (Autonomous), Perambalur on 9<sup>th</sup> July 2016.
66. **Chaired** the technical session in the 'International Conference on Biotechnology (ICCSFPOB – 2016) Department of Biotechnology, Thanthai Hans Roever College (Autonomous), Perambalur on 9<sup>th</sup> July 2016.
67. As the **Chief Guest delivered the talk** in the one day Seminar on "Accreditation and Quality Management in Library Services: NAAC and NBA parameters" organised by Academic Library Association (ALA) at American College, Madurai on 02.04.2016.
68. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 27<sup>th</sup> February 2016, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.

69. **Delivered a talk** on 'Phytochemical screening, nanosynthesis and antimicrobial studies on lower cryptogams' in the National Seminar on "Phytochemical Techniques in Plant Sciences" on 2nd February 2016 organized by Department of Botany, Maharaja's College, Ernakulam, Kerala -682 011.
70. **Key note address** on 'An approach to nanosynthesis, Characterization and antimicrobial studies in lower cryptogams' in the National Conference on "Recent trends in Biotechnology" on 30th January 2016 organized by Department of Biotechnology, Vijayaraje Institute of Science & Management, Gwalior, Madhya Pradesh – 475 001.
71. **Delivered the Lecture** on "Green Synthesis and Characterization and antioxidant studies of Silver nanoparticles from Bryophytes" in the DBT, SERB – DST & DRDO sponsored National Conference on "Climate Change, Medicinal Plants and public Health: strategizing an ethnobotanical - social resilience" on 28th January 2016 organized by Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh – 273 001.
72. As the **Guest of honour delivered the Inaugural address** on "Biodiversity and Climate change" in the DBT, SERB – DST & DRDO sponsored National Conference on "Climate Change, Medicinal Plants and public Health: strategizing an ethnobotanical - social resilience" on 27th January 2016 organized by Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh – 273 001.
73. Delivered the **Key note address** titled 'Green synthesis, characterization and antimicrobial studies of silver nanoparticles using *Bryum medianum* mitt. – a bryophyte (moss) plant' at the UGC Sponsored National Seminar on 'Role of lower plants in the forest ecosystem: diversity, conservation and utilization potential' on 10<sup>th</sup> December 2015 in the Dept. of Botany, Govt. College, Chittur, Palakkad, Kerala – 678 104.
74. As the **Doctorial Committee** member conducted the Ph.D synopsis Viva-voce for Ms. R. Rehka, Ph.D research scholar at Vivekanandha college of arts & sciences for women, Tiruchengode – 637 205 on 21<sup>st</sup> September 2015.
75. Convened the **Doctorial Committee** meeting for Mr. C. Thilip, Ph.D research scholar at Jamal Mohammed College, Tiruchirappalli – 620 020 on 03<sup>rd</sup> June 2015.



76. **Delivered the special lecture** on 'Impact of global warming in Biodiversity loss' on 27<sup>th</sup> March 2015 at Department of Botany, Sethupathy Govt. Arts College, Ramanathapuram, Tamilnadu – 623 502.
77. **Gave the special talk** on “Effective communication” in the Soft skill training programme organized by Soft skill centre, Nedunchezian Govt. Arts College, Tiruverumbur, Tiruchirappalli on 06.03.15.
78. **Delivered the lecture** on “Effective communication” in the Soft skill training programme organized by Soft skill centre, Nedunchezian Govt. Arts College, Tiruverumbur, Tiruchirappalli on 20.03.15.
79. As the **external examiner** conducted the Viva – Voce and evaluated the thesis for M.Phil Botany at Jamal Mohammad College, Tiruchirappalli on 7<sup>th</sup> March 2015.
80. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 11<sup>th</sup> February 2015, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
81. **Delivered the lecture** on “Green Synthesis and Characterization of Silver nanoparticles from Bryophytes” in the DBT sponsored 21 day short term training programme on “Plant Molecular Cytogenetics” organized by Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh on 01.11.2014.
82. Convened the **Doctoral Committee** meeting for Ms. S. Suba, Ph.D Research Scholar, Department of Botany, A.V.V.M.SriPushpam College, Poondi – 613 503 on 18.11.2014.
83. Convened the **Doctoral Committee** meeting for Mr. V. Ayyadurai, Ph.D Research Scholar, Department of Botany, National College, Tiruchirappalli on 10.09.2014.
84. **Delivered the valedictory address** in the UGC Sponsored National Level Conference on “Recent Trends Innovation and Future Trends in Biology” on 25<sup>th</sup> July 2014 at National College, Tiruchirappalli.
85. **Chaired the technical session** – 111 'Proteomics and Genomics' in the UGC Sponsored National Level Conference on “Recent Trends Innovation

and Future Trends in Biology” on 25th July 2014 at National College, Tiruchirappalli.

86. **Special lecture** on “Active listening” in the Soft skill training programme organized by Soft skill centre, Nedunchezian Govt. Arts College, Tiruverumbur, Tiruchirappalli on 12.08.14.
87. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 10<sup>th</sup> February 2014, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
88. **Delivered the lecture** in the topic ‘Conservation of Biodiversity’ on 04.09.2013 at Vivekanandha College of Arts and Sciences for Women, Tiruchengode, Namakkal District, Tamilnadu.
89. Convened the **Doctorial Committee** meeting for Mr. C. Thilip, Ph.D research scholar at Jamal Mohammed College, Tiruchirappalli – 620 020 on 17<sup>th</sup> April 2013.
90. **Organizing Secretary** for the ‘One day Workshop on Pharmacognostical screening of medicinal plants’ on 04.03.2013 in the Department of Botany at St. Joseph’s College, Tiruchirappalli. – 620 002.
91. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 10<sup>th</sup> February 2013, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
92. **Delivered a talk** in the technical session entitled ‘Habitat loss and fragmentation’ in the UGC Sponsored National Level Conference on “Climate Change, Biodiversity, and Conversation” at St. Andrew’s College, Gorakhpur, Uttarpradesh on 6<sup>th</sup> Feb 2013”.
93. **Chaired the technical session** entitled ‘Biological invasion and Biodiversity Management’ in the UGC Sponsored National Level Conference on “Biodiversity conservation and sustainable development’ at St. Andrew’s College, Gorakhpur, Uttarpradesh on 7<sup>th</sup> Feb 2013”.
94. **Delivered key note address** in the technical session titled ‘Systematics’ on ‘Mosses of Kolli hills’, Tamilnadu” in the National Conference on “Climate Change, Biodiversity, and Conversation” at St. Andrew’s College, Gorakhpur, Uttarpradesh on 16<sup>th</sup> Feb 2012.

95. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 14<sup>th</sup> February 2012, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
96. **Delivered a talk** on 'Global warming' in the Rotary club of Nagercoil Mid town, Kanyakumari District on 11<sup>th</sup> January 2012.
97. **Acted as a Rapportier** – National Conference on Climate Change, Biodiversity, and Conversation' – St. Andrew's College, Gorakhpur, Uttar Pradesh – 17<sup>th</sup> Feb 2011.
98. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 15<sup>th</sup> February 2011, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
99. **Lecture on** 'Climate Change Endangers Life' organised by Bolivar Club, Department of Biotechnology, Cauvery College, Tiruchirappalli– 31 Nov 2010.
100. **Invited talk** in the IV Annual Academic Conference on "Emerging trends in Higher Education in India" – Loyola College, Chennai – Aided College Teachers' Association, Tamilnadu-30<sup>th</sup> Aug 2010.
101. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 8<sup>th</sup> February 2010, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
102. **Gave a special talk on** "Training on nursery raising techniques for college students" at Shepherd village Nagamangalam, Tiruchirappalli– 22.02.09.
103. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 13<sup>th</sup> February 2009, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
104. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 25<sup>th</sup> February 2008, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.

105. As the **Guest delivered a talk** in the ‘Tree Plantation Programme’ at SHEPHERD village Boothakudi, Viralimalai, Tiruchirappalli – 15.08.2008.
106. As a **Quiz master** for the Dr.R. Rengarajan Inter Department Quiz Contest on 13<sup>th</sup> February 2016, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
107. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 11<sup>th</sup> February 2005, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
108. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 12<sup>th</sup> February 2004, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli – 620 002.

➤ **Ph.D Thesis Adjudicated**

1. Thesis Evaluated for Ms. C.N. Shanti Vasudevan entitled “Phytochemical and Pharmacological analysis of selected medicinal plants and their substitutes”

➤ **Doctoral Committee member for Ph.D Scholars (on going)**

1. Mrs. S. Anushya – Ref.No.BDU2010432778462, Holy Cross College, Tiruchirappalli – 620 002.
2. Mr. P. Murugan – Date of Registered: 01.07.2019, Botanical Survey of India, Coimbatore- 641 046.
3. Mr. K. Selvaprakash – Ref.No.29984/Ph.D.K1/Botany/Part Time/April 2018/Date:25.05.2018, Bharathidasan University, Jamal Mohamed College, Tiruchirappalli.
4. G. Thiagu - Reg.No. 16913/Ph.D.K1/Botany/Full Time/October 2017/Date: 10.11.2017 Bharathidasan University, Jamal Mohamed College, Tiruchirappalli
5. Br. A. Amirtham – Reg.No. 12502, Department of Botany, St. Xavier’s College, Palayamkottai - 627 002
6. Ms. D. Joanna Magdalene – Reg.No. 28054 / Ph.D. K1 / Botany / Full Time / October 2016 / Date: 05.01.2017, Department of Botany, Bishop Heber College, Tiruchirappalli – 620 017.

7. Mr. S. AzhakarSwamy - Reg.No.28056/Ph.D. K1 / Botany / Part Time / October 2016 / Date: 26.12.2015, Department of Botany, Bishop Heber College, Tiruchirappalli – 620 017.
8. C. Thilip - Reg.No. 46595/Ph.D.K1/Botany/Full Time/January 2013/Date: 28.02.2013 Bharathidasan University, Jamal Mohamed College, Tiruchirappalli
9. S. Suba – Reg.No. 17406/Ph.D.K1/Microbiology/Part Time/July 2014/ Date: 17.09.2014 Bharathidasan University, A.V.V.M. Sri Pushpam College, Poondi.
10. V. Ayyadurai – Reg.No. 1070/Ph.D.K1/Botany/Full Time/April 2014/Date:03.09.2014, Bharathidasan University, National College, Tiruchirappalli.
11. R. Rekka – Reg.No: PU/COE/RD4/Ph.D/2014, Periyar University, Vivekanandha College of Arts and Science for Women, Tiruchengode.
12. Mr. P. Vivekraj, - Reg.No. 15836 / Ph.D. K1 / Botany / Full Time / July 2014 / Date: 10.06.2016, Department of Botany, Bishop Heber College, Tiruchirappalli – 620 017.

**Publications: (Books – in press)**

S. No	Title of the Book	Publisher
1.	Hand book of Biostatistics	B-Digest Publication Nagercoil, Tamil Nadu
2.	Mosses (Bryopsida) of Kolli Hills, Eastern Ghats, Tamilnadu, India.	B-Digest Publication Nagercoil, Tamil Nadu

**Publications: (Books chapters)**

S.No	Title of the Book	Number of Chapters contributed	Title of the Chapter	Name of the Publisher of the Book/ Month, Year
1	Statistical Approaches on Multidisciplinary Research, Volume I, Chapter 11	1	A randomized controlled trial of <i>Ginkgo biloba</i> for prevention of vascular dementia	Surragh Publishers, India, 2017.

➤ **Details of Reviewer / Editorial Committee member / Membership in Academic / Research bodies:**

- Reviewer for the journal '*Plant Science Today*' belongs to Horizon e - Publishing group is indexed by: Scopus | Web of Science | BIOSIS Previews | ESCI | CAS | AGRIS | CABI | Google Scholar | BASE | Agro-Know Stem | J-Gate | OAI..
- Reviewer for the journal '*National Academy Science letters.*' belongs to SPRINGER group.
- Editorial Committee member for the journal '*Edureflector*' belongs to ELSEVIER group.
- Reviewer for the journal '*International Journal of Pharmacy and Pharmaceutical Sciences.*' belongs to ELSEVIER group.
- Reviewer for the journal '*World Applied Science Journal*' belongs to IDOSI groups.
- Reviewer for the journal '*Indian Journal of Natural Products and Natural Resources.*' (formerly known as Natural Product Radiance) and Natural Products and Resources Repository (Electronic Journal) NISCAIR, CSIR, Dr K. S. Krishnan Marg ( Pusa campus) New Delhi-110012
- Board of study member (Subject Expert) in the Botany Board of SrimadAndavan Arts and Science College, Tiruchirappalli, Tamil Nadu 620005.
- Chief for the Examination valuation Board of UG Biotechnology in the Bharathidasan University (2005-2013), Tiruchirappalli.
- Member of the Academic audit Committee of the Department of Botany of Holy Cross College, Nagercoil, Tamilnadu – 629 004.
- Practical Examiner for both UG & PG (Botany & Biotechnology) in Bharathidasan University, Tiruchirappalli.
- Elected as a Member of Senate of Bharathidasan University for a period of three years from 05.08.2022 to 04.08.2025.

- Question setter for both UG & PG in Madras University, Chennai, Periyar University, Salem, Bharathidasan University, Tiruchirappalli, Madurai Kamaraj University, Madurai. Thiruvalluvar University.

### **Paper presented in the International Conferences/ Seminars/Symposium**

1. Decolorization of synthetic dyes using microbial isolate from paper pulp effluents. International conference on sustainable utilization, management and conservation of Bioresources (ICSMCB-2013). Department of Botany, St. Joseph's College, Tiruchirappalli. On 10<sup>th</sup> January 2013.
2. Phytochemical studies of *Asystasiagangetica* (L.) T. Anderson. International conference on sustainable utilization, management and conservation of Bioresources (ICSMCB -2013). Department of Botany, St. Joseph's College, Tiruchirappalli. 11<sup>th</sup> January 2013.
3. Status of moss diversity in Pachamalai hills of Tiruchirappalli district, Tamil Nadu, India. International conference on frontiers in life science (ICFLS – 2016). Department of Botany, St. Joseph's College, Tiruchirappalli. 7<sup>th</sup> January 2016.
4. Enumeration and new records for South India of Mosses from Kalrayan Hills (Eastern Ghats) of Tamil Nadu, India. International conference on frontiers in life science (ICFLS – 2016), Department of Botany, St. Joseph's College, Tiruchirappalli. 8<sup>th</sup> January 2016.
5. Studies on the synthesis, Characterization, antioxidant activity of silver nanoparticles of *Thudiumtameriscellum* Bosch. a moss(Bryophyte) plant. 'International Conference on Biotechnology (ICCSFPOB - 2016)' Department of Biotechnology, Thanthai Hans Roever College (Autonomous), Perambalur on 09.08.2016.
6. Green Synthesis and Characterization of silver nanoparticles from *Campylopusflexuosus* and evaluation its antioxidant activity. International Conference on Frontiers in Nano –Biotechnology – ICFNB'17. Department

of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli.  
9<sup>th</sup> September, 2017.

7. Antimicrobial and phytochemical screening of a moss (Bryophyte) plant - *Sematophyllumhumile*(Mitt.) Broth. International symposium on Innovations and Advancements in Agriculture and Plant Sciences (IAAPS 2018). DhanalakshmiSrinivasan Agriculture College, Perambalur. 23<sup>rd</sup> May 2018.
8. Molecular Characterization of Medicinal Plant *Alangiumsalvifolium* (L.F.) Wangerin Using Matk. International Conference on 'Recent Trends in Biological Sciences', Organized by Department of Botany, St. Joseph's College, Tiruchirappalli, TN &St. Andrew's College, Gorakhpur, Uttar Pradesh. 3<sup>rd</sup> and 4<sup>th</sup> June 2020.

**Paper presented in the National Seminar /Conference/ Symposium**

1. Waste land reclamation by individual and combined application of bio fertilizers. National level Seminar on challenges for green environment. Department of Biochemistry, Karpagam Arts and Science College, Coimbatore 22<sup>nd</sup> February 2006.
2. Studies on the Bryopsida (Moss flora) of the Kolli hills in the Eastern Ghats of Tamil Nadu, India. National Conference on climate change, Biodiversity & conservation. Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh. 16<sup>th</sup> February 2011.
3. Phytochemical analysis and antimicrobial activity of *Cucumisanguria* L., - A medicinal herb. National Conference on climate change, Biodiversity & conservation. Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh, 17<sup>th</sup> February 2011.



4. Comparative studies on the diversity of moss flora (Bryopsida) in South India. National Conference on climate change, Biodiversity & Conservation. Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh. 15<sup>th</sup> February 2012.
5. A study on physico – chemical parameters of the river Vaigai in Madurai, Tamil Nadu. National Conference on climate change, Biodiversity & Conservation. Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh. 16<sup>th</sup> February 2012.
6. Bryophytes in India-The current status. National Conference on vulnerabilities and adaptations of fauna and flora to rapidly changing environment (COMAFFE-2012). Department of Zoology, St. Andrew's College, Gorakhpur, Uttar Pradesh. 21<sup>st</sup> November 2012.
7. Phytochemical studies on a Bryophyte (Moss) *Meteoriopsis squarrosa* (Hook.) M.FLEISCH using UV-Vis, FTIR, <sup>1</sup>H and <sup>13</sup>C- NMR. National conference on vulnerabilities and adaptations of fauna and flora to rapidly changing environment (COMAFFE-2012). Department of Zoology, St. Andrew's College, Gorakhpur, Uttar Pradesh. 22<sup>nd</sup> November 2012.
8. Phytochemical analysis of *Indigoferalinnæi* L. Using UV – Vis, FTIR and GC –MS. National conference on Biodiversity conservation & sustainable development. Department of Zoology, St. Andrew's College, Gorakhpur, Uttar Pradesh. 6<sup>th</sup> February 2013.
9. Hepatoprotective activity on *Eclipta prostrata* (Asteraceae) on carbon tetrachloride – induced hepatotoxicity in rats. National conference on Biodiversity conservation & sustainable development. 7<sup>th</sup> February 2013.
10. Taxonomical and phytochemical studies on a bryophyte (Moss) *Bryum medianum* Mitt. By UV – Vis and FTIR. UGC sponsored National

Level Conference on recent innovation and future trends in biology.  
Department of Botany, National College, Tiruchirappalli. 24<sup>th</sup> July 2014.

11. Invitro phytochemical studies on the medicinal fern *Vittariaelongata* SwUGC sponsored National Level Conference on recent innovation and future trends in biology. Department of Botany, National College, Tiruchirappalli. 25<sup>th</sup> July 2014.
12. Antibacterial activity of the extracts of the moss plant *Cryptopapillariafuscescens* (HOOK) A. Jaeger against some pathogenic bacteria. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-14). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2014.
13. Some medicinally used ferns of Bodamalai hills, Eastern Ghats of Tamilnadu, India. National Symposium on recent advances in medicinal and aromatic plants (NASYMP - 14). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2014.
14. Studies on the diversity of Pteridophytes in the Kolli (Eastern Ghats), Namakkal District, Tamilnadu. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
15. Green synthesis of silver nanoparticles using Moss (Bryophyte) *Thuidiumtameriscellum* (C.Muell) Bosch. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.

16. Analysis of the antioxidant activity of green synthesized silver nanoparticles of *Bryummedianum*Mitt. Extract- a moss plant. National seminar on Role of lower plants in the forest ecosystem: Diversity, Conservation and Utilization potential. Department of Botany, Government College, Chittur, Palakkad.9<sup>th</sup> December 2015.
17. Palynomorphic studies of ferns of Kolli hills of Eastern Ghats, Tamilnadu. National seminar on Role of lower plants in the forest ecosystem: Diversity, Conservation and Utilization potential. Department of Botany, Government College, Chittur, Palakkad.10<sup>th</sup> December 2015.
18. Green synthesis of silver nanoparticles using Moss (Bryophyte) *Thudiumtameriscellum* (C.Muell) Bosch. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
19. A Survey on the Species Richness of Acrocarpous Moss (Bryopsida) In Bodamalai Hills of Eastern Ghats, Tamilnadu, India.National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
20. *Lindsaeamalabarica*Baker. (Terrestrial fern), a first chromosome report from Kolli Hills of Eastern Ghats, Tamil Nadu. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
21. A comparative study on the Moss Flora of Kalrayan Hills with the Neighboring Hills of Eastern Ghats, Tamil Nadu, India. National Symposium on recent advances in medicinal and aromatic plants

- (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
22. Green synthesis, Characterisation and evaluation of antimicrobial activity of silver nanoparticles from a bryophyte plant *Sematophyllumhumile*(Mitt.). National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
23. Invitro Antibacterial Studies on a Bryophyte plant *Sematophyllumhumile*(Mitt.). National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
24. Moss (Bryophyte) mediated synthesis, characterization of silver nanoparticles from *Campylopusflexuosus* (Hedw.) Bird. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5<sup>th</sup> February 2015.
25. Green Synthesis and Characterization of silver nanoparticles from *Campylopusflexuosus* and evaluation its antioxidant activity. International Conference on Frontiers in Nano –Biotechnology – ICFNB'17. Department of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli. 9<sup>th</sup> September, 2017.
26. Phytochemical Analysis and Antimicrobial Evaluation of *SematophyllumHumile* (Mitt.) Broth. National Conference on Emerging Trends in Science. Organised by Faculty of Science, MaharanaPratap P.G. College, Gorakhpur, Uttar Pradesh. 01-02 February 2019.
27. Antimicrobial, Antioxidant and Phytochemical Studies on *AndrographisEchioides* (L.) Nees – A Medicinal Plant. National

Conference on Emerging Trends in Science. Organised by Faculty of Science, MaharanaPratap P.G. College, Gorakhpur, Uttar Pradesh. 01-02 February 2019.

28. A study on Pharmacognostical and *in vitro* antimicrobial activity of leaf and root extracts of *Enicostemma littorale*, blume. International symposium on Innovations and Advancements in Agriculture and Plant Sciences (IAAPS 2018). DhanalakshmiSrinivasan Agriculture College, Perambalur on 23<sup>rd</sup> May 2018.
29. Anatomical, phytochemical and in vitro antimicrobial activity of *Enicostemmalittorale*, Blume. National Conference on Emerging Trends in Science. Organised by Faculty of Science, MaharanaPratap P.G. College, Gorakhpur, Uttar Pradesh on 01- 02 February 2019.
30. Phytochemical analysis and antioxidant activity of endophytic fungi *Alternariaarborescence*. 2nd National conference on "Current trends in biological sciences", St. Xavier's College, Palayamkottai on 6th and 7th February 2020.
31. Evaluation of antioxidant activity and phytochemical analysis of endophytic fungi *Schizophyllum commune*. International conference on "Sustainable management and conservation of National Resources", Periyar EVR College, Trichy on 15th February 2020.

➤ **Conference / Symposium / Seminar/Workshopattended**

Theme	Name of the Institutions	Duration	
		From	To
<b>Conferences(IN/N)</b>			
1. "Fern Diversity of India",	St. Xavier's College, Palayamkottai.	24.02.07	25.02.07
2. "Inclusive Education and Institute development, Federation of University and	AIFUCTO	17. 10.08	19.10.08

College Teachers'

3. 'Quality Enhancement and Sustenance in Higher Educational Institutions (HEIs) through six sigma (6σ) quality strategy'	St. Joseph's College, Tiruchirappalli.	23.10.08	24.10.08
4. 'Emerging trends in higher education in India'	Loyala College, Chennai.	30.10.10	30.10.10
5. 'The role of ICT in higher Education: quality, Accessibility and Security'	St. Joseph's College, Tiruchirappalli.	29.01.10	30.01.10
6. 'Vulnerabilities and Adaptation of fauna and flora to rapidly changing environment'	St. Andrew College, Gorakhpur, (U.P)	21.11.12	22.11.12
7. 'Climate change, Biodiversity & conservation'	St. Andrew College, Gorakhpur, (U.P)	15.02.12	16.02.12
8. 'Sustainable Utilization, management and conservation of Bioresources (ICSMCB)'	St. Joseph's College, Tiruchirappalli.	10.01.13	11.01.13
9. 'Biodiversity & conservation & sustainable development'	St. Andrew College, Gorakhpur, (U.P)	06.02.13	07.02.13
10. 'Drug Discovery, Threatened Medicinal Plants & Strategies for Sustainable use'	St. Andrew College, Gorakhpur, (U.P)	25.09.13	26.09.13
11. 'Advance in Biology'	St. Joseph's College, Tiruchirappalli.	06.01.14	07.01.14
12. 'Biodiversity & Climate Change Adaptation- current Status Trends & Policy Responses'	St. Andrew College, Gorakhpur, (U.P)	03.12.14	04.12.14
13. 'Transgenic plants and food security of nation : (TPFSN)'	Jamal Mohamed College, Tiruchirappalli	27.02.15	
14. 'New higher education policy: Challenges & Prospects'	AIFUCTO	18.12.15	20.12.15

15. 'Climate Change, Medicinal Plants & Public Health: Strategizing an Ethnobotanical Social Resilience'	St. Andrew College, Gorakhpur, (U.P)	27.01.16	28.01.16
16. 'Recent Trends in Biotechnology'	Viayaraje Institute of Science & Management, Department of Biotechnology,	30.01.16	31.01.16
17. 'International Conference on Biotechnology (ICCSFPOB - 2016)'	Thanthai Hans Roever College (Autonomous), Perambalur	09.08.16	
18. International Conference on Frontiers in Nano – Biotechnology – ICFNB'17.	Department of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli.	08.09.17	09.09.17
19. Education in India at Crossroads: A Critical Review	AIFUCTO XXXI ACADEMIC CONFERENCE, Kanyakumari	23.11.2018	25.11.2018
20. International Conference On Cancer Inferno And Its Prevention Strategies (ICCIPS - 2019)	Pg Department Of Biochemistry, PeriyarEvr College (Autonomous), Tiruchirappalli.	22.02.19	22.02.19
21. International Conference on: "Recent Trends in Biological Sciences" St. Andrew's College,	St. Joseph's College, Tiruchirappalli, & Gorakhpur, (U.P)	03.06.20	04.06.20

### **Symposiums**

1. 'Advances in natural products chemistry'	St. Joseph's College, Tiruchirappalli.	21.02.02	
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2. 'Recent advances in medicinal and aromatic plants'	St. Joseph's College, Tiruchirappalli.	05.02.14	
3. 'Recent advances in medicinal and aromatic plants'	St. Joseph's College, Tiruchirappalli.	05.02.15	
4. 'Recent advances in medicinal and aromatic plants'	St. Joseph's College, Tiruchirappalli.	05.02.16	
5. 'Recent advances in medicinal and aromatic plants'	St. Joseph's College, Tiruchirappalli.	15.02.17	

### **Seminars(IN/N)**

1. 'Human Rights Education'	St. Xavier's College, Palayamkottai.	27.08.99	28.08.99
2. 'MAJHEC'	Madurai Jesuit higher education commission, Dindigul.	24.05.00	25.05.00
3. 'Digital library'	St. Joseph's College, Tiruchirappalli.	15.02.02	16.02.02
4. 'Advanced biology'	St. Joseph's College, Tiruchirappalli.	19.01.05	20.01.05
5. 'Digitalised information exchange for quality sustenance and enhancement among accredited institutions'.	St. Joseph's College, Tiruchirappalli.	03.03.05	04.03.05
6. 'Advanced leadership'	St. Joseph's College, Tiruchirappalli.	02.09.05	04.09.05
7. 'Frontier areas in biological research'	Bishop Heber College, Tiruchirappalli.	20.02.06	21.02.06
8. 'Challenges for green environment'	Karpagam arts & science College,	22.02.06	23.02.06



	Coimbatore.		
9. 'Recent trends in biosciences'	Vivekanandha College of Arts & Science for Women	23.02.06	24.02.06
10. 'Advanced leadership'	St. Joseph's College, Tiruchirappalli.	13.08.06	15.08.06
11. 'RFID technology and library management in digital era'	St. Joseph's College, Tiruchirappalli.	03.02.07	04.02.07
12. 'Prospects and challenges in stem cell research'	St. Joseph's College, Tiruchirappalli.	12.01.15	
13. 'International science meet'	St. Joseph's College, Tiruchirappalli.	15.12.15	
14. "Nano science and Technology"	St. Joseph's College, Tiruchirappalli.	20.01.16	
15. "Modern Trends in Phytochemistry"	Maharaja's College (Autonomous), Ernakulam	01.02.16	
16. "Bio- Informatics: Challenges & Application"	St. Joseph's College, Tiruchirappalli.	15.02.16	
17. National Colloquium on "Draft National Education Policy 2019"	St. Joseph's College, Tiruchirappalli.	25.07.19	
18. Oral Cancer Biotechnology,                   07.01.20 St. Joseph's College, Tiruchirappalli.	Department of		
19. International Webinar on: STRATEGIES TO CONTROL COVID-19	St. Joseph's College, Tiruchirappalli.	03.05.20	

20. Webinar on: Knowledge Gained Through the Challenging Exercise of NAAC: Success Story Internal Quality Assurance Cell (IQAC) 15.05.20 St. Joseph's College, Tiruchirappalli.
21. VICAS Bioscience Webinar on 'Triggering skill development For young biologist' Vivekanandha College of Arts and Science for Women, Tiruchengodu, Namakkal Dt. Department of Bioscience, 18.05.20 22.05.20
22. International Webinar on: Strategies to Control COVID-19 Department of Botany St. Joseph's College, Tiruchirappalli. 30.05.20
23. National Webinar on: "Open Access Educational Resources for Effective Teaching, Learning and Research during N-Covid 19" Library jointly with Internal Quality Assurance Cell (IQAC) of The M.D.T. Hindu College, Trinelvei. 05.06.20
24. Webinar on: Microbes, The Drivers of Human Life St. Joseph's College, Tiruchirappalli. 06.06.20
25. International Webinar on: 'Genetic Factors-The Root Cause of response variation' The St. Joseph's College, Tiruchirappalli. 13.06.20
26. International Webinar on: "Bioscience: A glance in Sharing and learning" St. Joseph's College, Tiruchirappalli. 24.06.20 26.06.20
27. International Webinar on: "Recent Advances in Modern Medicine" Research Department of Zoology, Seethalakshmi Ramaswami College, Tiruchirappalli. 27.06.20
28. Online Faculty Development IQAC,

Programme on Inclusive Procedure and Process in Assessment and Accreditation by NAAC	St. Joseph's College, Tiruchirappalli.	30.6.20	04.07.20
29. International Webinar on: "Start-up Ecosystem in Biological Sciences Sector"	Department of Botany, Incubation and Innovation Cell & Entrepreneurship Cell, St. Joseph's College, Tiruchirappalli.	09.07.20	
30. International Webinar on: Impact of Climate Change on Bio Diversity and World Food Security.	Department of Botany, St. Joseph's College, Tiruchirappalli.	15.07.20	
31. International Webinar on: "Phytochemical as an Antibiotic Alternative to Combat MDR"	PG & Research Department of Botany, Holy Cross Colloge, Tiruchirappalli.	16.07.20	
32. Webinar on: Micro algae technology for industrial effluent treatment and restoration of polluted water bodies.	Department of Botany, St. Joseph's College, Tiruchirappalli.	17.07.20	
33. National Webinar on: "Natural Products for Human Health Management"	Department of Botany, St. Joseph's College, Tiruchirappalli.	22.07.20	
34. Faculty Developmet Programme on Outcome Based Education	School of Arts, Science, Commerce and IQAC Rai University, Ahmedabad, Gujarat, Gujarat-India.	22.07.20	24.07.20
35. International Webinar series on: Unlocking approaches in Biological Research.&Department of Biotechnology, School Of Biological Sciences,	PG & Research Department of Botany	24.07.20	27.07.20

St. Joseph's College,  
Tiruchirappalli.

36. Webinar on: Designer Crops      TheBiomics  
Revolutionising Life      25.07.20  
Sciences.
37. National Webinar on: CurrentDepartment of Botany,  
Issues Emerging Over St. Joseph's College,      28.07.20  
Environment and EducationTiruchirappalli.
38. International Webinar series      Department of Botany,  
on 'Medicinal Plants Research St. Joseph's College,      03.08.20      06.08.20  
and Drug Discovery      Tiruchirappalli.
39. Webinar Presentation on:      The Biomics  
Research Methodology and      Revolutionising Life      08.08.20  
Applications of Surface      Sciences.  
Plasmon Resonance.
40. International Colloquium      Department of Crop  
on Crop Physiology      Physiology,  
Directorate of crop      26.11.20      27.11.20  
Management,  
Tamil Nadu Agricultural  
University, Coimbatore.
41. Webinar on Recover Better-      Extension Department-  
Stand up for Human Rights      Shepherd,      10.12.20  
St. Joseph's College,  
Tiruchirappalli.
42. Webinar on      DhanalakshmiSrinivasan  
"Advances InPost Harvest      Agriculture College, 24.12.20  
Management Of Fruits And      Perambalur.  
Vegetables"
43. International webinar on      Department of  
Molecular markers in plant      Biotechnology,      26.03.21  
Pathology      St. Joseph's College,  
Tiruchirappalli.

44. Two days International Department of  
Webinar on Research Insights Biotechnology, 28.09.21 to 29.09.21  
in Human Diseases St. Joseph's College,  
Tiruchirappalli.
45. National Webinar on Department of  
Silent Valley- A Tropical Botany, Marthoma 04.09.21  
Rain Forest College, Chungathura,  
MalappuramDt, Kerala.
45. National Webinar on Department of  
Intellectual Property Biochemistry, 05.10.2021  
Rights (IPR) - Patent and St. Joseph's College,  
Design Process Tiruchirappalli.
46. International webinar on Department of Plant  
"Two Hallmarks of Plant Biology and Plant 29.12.2021  
Development and Biotechnology, Presidency  
Adaptation viewed through College, Chennai - 600 005  
the Embryonic Lens"
47. XVI Conference of the Department of Botany,  
Indian Fern Society and University of Calicut, 19.03.2022 to 21.03.2022  
International Symposium Kerala – 673 635  
On 'Research in Pteridology:  
Priorities and Challenges

### Workshop

Theme	Name of the Institutions	Duration	
		From	To
1. 'Effective Classroom Communication'	St. Xavier's College, Palayamkottai.	05.08.97	06.08.97
2. 'Ecology for College Teachers'	Bishop Heber College, Tiruchirappalli.	18.08.03	22.08.03
3. 'Techniques in Experimental and Clinical	St. Joseph's College, Tiruchirappalli.	25.02.04	26.02.04

## Immunology

4. 'Techniques in Tissue Culture and Histochemistry	St. Joseph's College, Tiruchirappalli.	16.09.04	
5. "Mushroom Culture & Vermi Technology"	St. Joseph's College, Tiruchirappalli.	20.12.04	
6. "Patent Awareness"	St. Joseph's College, Tiruchirappalli.	07.04.06	
7. "Author Workshop: Increasing your chance of successful publication in academic journals"	St. Joseph's College, Tiruchirappalli.	19.09.06	20.09.06
8. "Fundamentals of Computers"	St. Joseph's College, Tiruchirappalli.	31.01.07	02.02.07
9. 'Applications of Radiation and Radio isotopes (NWARRI2008)'	St. Joseph's College, Tiruchirappalli	15.02.08	16.02.08
10. 'Training Programme for Mentors'	St. Joseph's College, Tiruchirappalli.	29.03.08	
11. "Histochemistry "	St. Joseph's College, Tiruchirappalli.	18.10.12	
12. "Thrust Areas in Life Science"	Cauvery College for women, Tiruchirappalli.	31.01.13	02.02.13
13. "Microbiological and Phytochemical Techniques"	St. Joseph's College, Tiruchirappalli.	18.12.13	
14. "Plant Taxonomy"	St. Joseph's College, Tiruchirappalli.	26.02.14	
15. 'Quality research proposals'	Bharathidasan University, Tiruchirappalli.	12.07.14	13.07.14
16. "Advance in Biology"	Cauvery College for Women, Tiruchirappalli.	10.09.14	12.09.14
17. "Plant Taxonomy Key Preparation"	St. Joseph's College, Tiruchirappalli.	26.09.14	27.09.14
18. "Vermiculture Techniques"	St. Joseph's College, Tiruchirappalli.	12.12.14	13.12.14
19. "Plant Tissue Culture Techniques"	St. Joseph's College, Tiruchirappalli.	22.12.14	23.12.14

20. 'Dr. V. Balakrishnan memorial CAM programme'	St. Joseph's College, Tiruchirappalli.	05.03.15	06.03.15
21. "Plant Tissue Culture Techniques"	St. Joseph's College, Tiruchirappalli.	03.02.16	04.02.16
22. 'Bioprospecting and Bioresources'	St. Joseph's College, Tiruchirappalli.	10.02.16	12.02.16
23. 'Lecture Workshop on New Vistas in Biodiversity and Bioresources (NIBIO'17)'	St. Joseph's College, Tiruchirappalli	02.08.17	04.08.17
24. STEM Teacher Training Workshop on Research Based Pedagogical Tools	Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.	06.10.17	09.10.17
25. "Applied Statistical Techniques using SPSS and AMOS"	Government Arts and Science College, Konam, Nagercoil.	09.03.18	10.03.18
26. Micro – Seeds : Greater Global Research	National College (Autonomous), Tiruchirappalli.	14.03.19	14.03.19
27. "Working in Online Teaching"	St. Joseph's College Tiruchirappalli,	25.04.20	
28. Workshop on 'Research Project Proposal Writing'	Department of Human Resource Management, St. Joseph's College, Tiruchirappalli.	01.06.20	02.06.20
29. DST – SERB Sponsored One day Workshop on Recent Trends in Biotechnology and their Applications organised by ICAR – National Research Centre for Banana on 08.07.2022.			

#### **PAPER PUBLISHED**

1. Investigation on antibacterial potential of a medicinal plant-*Rauwolfia serpentine*. *Journal of Microbial World*. 2009.

2. Efficiency of oyster mushroom (*Pleurotussajor-caju*) on degradation of different agro wastes. *Journal of Ecobiology*, 25(4), 337-341. 2009.
3. Effects of Climate change on Avian Flora'. Proceedings of the National Conference on Global Climate Change and its impact on Biodiversity', St. Xavier's College, Palayamkottai, Tamil Nadu. 2009.
4. Antibacterial activity of the plant extract of *Symphytumofficinale*. L against selected pathogenic bacteria. *International journal of Research in Pharmaceutical Sciences*. 2(1), 92, 2011.
5. In vitro propagation of *Aristolochiabracteata* Retz. - a medicinally important plant. *Research in Biotechnology*, 2(6), 44-52. 2011.
6. UV-VIS and FTIR Spectroscopic studies on *Peristrophebicalyculata* (Retz.) Nees. *Asian Journal of Pharmaceutical and Clinical Research*, 4(4), 126-129, 2011.
7. Phytochemical Analysis of *Vitexaltissima*L. using UV-VIS, FTIR and GC-MS. *Asian Journal of Pharmaceutical and Clinical Research*. 4(1): 56-62, 2012.
8. Phytochemical studies on *Allamandacathartica* L. using GC-MS. *Asian Pacific Journal of Tropical Biomedicine*, 2(2), S550-S554. 2012.
9. GC-MS analysis of bioactive constituents of *Peristrophebicalyculata* (Retz.) Nees. (Acanthaceae). *Asian Pacific Journal of Tropical Biomedicine*, 2(1), S46-S49. 2012.
10. Antibacterial activity of mosses, *Thuidiumtameriscellum*Bosch and *Pyrobryumspiniforme*Mitt. *International Journal of Biological Technology*. 2012.
11. A novel pathway of nodule inhibition in Bengal gram (*Cicerarietinum*) by ammonium nitrate induced IAA oxidase activity. *International Journal of Biological Technology*. 2012.
12. Identification of Antimicrobial potencies and enumeration of phytochemical constituents of *Cucumisanguria* L. *International Journal of Biological Technology*. 2012.



13. GC-MS studies on *Andrographispaniculata* (Burm. f.) Wall. Ex Nees — a medicinally important plant. *International journal of medicinal and Aromatic Plants*, 2(1), 69-74. 2012.
14. The effect of various concentration of Mango spent water on seed germination and seedlings growth of green gram (*Vignaradiata* L.) variety kurumani. *Journal of Basic and applied biology*. 2013.
15. Phytochemical Analysis of *Indigoferalinnæi* L. using UV-VIS, FTIR and GC-MS. *Journal of Basic and applied biology*. 2013.
16. Preliminary Phytochemical analysis and antibacterial activities on *Clitoriaternatea*. *Journal of Basic and applied biology*. 2013.
17. Studies on the moss diversity of the Kolli hills in the Eastern Ghats of Tamil Nadu, India. *Journal of Basic and applied biology*. 2013.
18. *In vitro* antibacterial activity of *Indigoferalinnæi* L. against selected pathogenic bacteria. *Journal of Basic and applied biology*. 2013.
19. Hepatoprotective Activity of *Ecliptaalba* on Carbon Tetrachloride-Induced Hepatotoxicity in Rats. *Journal of Basic and applied biology*. 2013.
20. Antioxidant Activity of *Ecliptaprostrata* on Carbon Tetrachloride-Induced Hepatotoxicity in Rats. *Journal of Basic and applied biology*. 2013.
21. Anti-inflammatory activity of *Ecliptaprostrata* on carraceenan induced paw edema in rats. *Journal of Basic and applied biology*. 2013.
22. Antimicrobial activity and preliminary phytochemical analysis of *SesamumLaciniatum*. (Klein) ex willd. *International Journal of Research in Engineering and Bioscience*. 2013.
23. Phytochemical studies on selective medicinal plants. *International Journal of Research in Engineering and Bioscience*. 2013.
24. Antimicrobial and phytochemical screening of *Tragiainvolucrata* L. using UV-Vis and FTIR. *International Journal of Research in Engineering and Bioscience*, 1(1), 82. 2013.
25. Bryophytes in India the current status. *International Journal of Research in Engineering and bioscience*. 2013.

26. Checklist of mosses (Bryopsida) of the Kalrayan Hills in the Eastern Ghats of Tamil Nadu, India. *Bioscience & Engineering*, 2, 28-33. 2014.
27. Synthesis of aryl substituted hydrazinothiazolylpyrazole derivatives and evaluation of their biological activity. *Journal of Chemical and Pharmaceutical Research*, 6(11), 808-813. 2014.
28. Investigation on the Antimicrobial Property of *Vittariaelongata* Sw. A medicinal Fern. *International Journal of Research in Engineering and Bioscience*. 2014.
29. UV- Vis and FTIR Spectroscopic studies on the medicinal fern *Vittariaelongata* Sw. Proceedings of the National Level Conference on “Recent Innovation and Future Trends in Biology”. National College, Tiruchirappalli. 2014.
30. Anti-bacterial efficacy of *Vitexaltissima*. *International Journal of Research in Engineering and Bioscience*. 2015.
31. Chromosome study on the fern species *Leptochilusdecurrens* Blume (Polypodiaceae) of Kolli Hills, Eastern Ghats, Tamil Nadu, India. *International Journal of Research in Engineering and Bioscience*. 2015.
32. New additions of fern flora to Kolli Hills, Eastern Ghats, Tamilnadu, India. *Indian Journal of Plant Sciences*, 5, 56-64. 2016.
33. Studies on the spore morphology of pteridophytes from Kolli Hills, Eastern Ghats, Tamil Nadu, India. *International Journal of Research in Engineering and Bioscience*. 4(1), 1-12, 2016.
34. A new cytotype of *Aspleniumdecrescens* from Kolli Hills, Tamil Nadu. *Journal of Cytology and Genetics*, 17, 69-71. 2016.
35. Antioxidant and antimicrobial studies on biosynthesized silver nanoparticles using *Bryummedianum* mitt. A bryophyte from Kolli Hills,

- Eastern Ghats of Tamilnadu, India. *Journal of Pharmaceutical Sciences and Research*, 8(8), 704. 2016.
36. Checklist of Mosses (Bryophyta) of Bodamalai Hills in Eastern Ghats, Tamil Nadu. *Plant Science Today*, 4(1), 49-54. 2017.
37. *Pyrrosiaporosa* (C. Presl) Hovenkamp – A new diploid cytotype of South India from Kolli Hills of Eastern Ghats, Tamil Nadu, India. *International Journal of Plant Biology & Research*. 5(1), 1057. 2017.
38. Moss (Bryophyte) Mediated Synthesis and Characterization of Silver Nanoparticles from *Campylopus flexuosus* (Hedw.) Bird. *Journal of Pharmaceutical Sciences and Research*, 9(3), 292. 2017.
39. Ecology, phytogeography and life form of Mosses (Bryopsida) Bodamalai hills of Eastern Ghats of Tamil Nadu, India. *International Journal of Current Science*. 20(1), 63-71, 2017.
40. Green Synthesis, Characterization and Antibacterial Activity of Silver Nanoparticles from *Bryumsalakense* Card. A Moss Plant (Bryophyte). *World journal of Pharmacy and pharmaceutical sciences*, 1880-1892. 2017.
41. Palynomorphic studies on the pteridophytes of Kolli Hills, Eastern Ghats, Tamil Nadu. *Biosci. Dis*, 8(4), 752-761. 2017.
42. *Pohliawahlenbergii* (F. Weber & D. Mohr) A.L. Andrews, a new addition to the Bryoflora of South India. *Bioscience Discovery*. 8(3): 592-595, 2017.
43. New additions to fern flora of Tamil Nadu, India. *International Journal of Advance Research and Innovative Ideas in Education*, 3(4), 1671-1674. 2017.
44. Diversity and Distribution of the family Pottiaceae (Bryopsida) from Pachamalai Hills, Eastern Ghats of Tamil Nadu. *International Journal of Innovative Research in Technology*. 4(8), 84-90. 2018.
45. Studies on the chromosome numbers of ferns from Kolli Hills, Eastern Ghats, Tamil Nadu, India. *Caryologia*, 71(4), 380-396. 2018.

46. Additions of new taxa to the pteridophyte flora of Kolli Hills, Eastern Ghats, Tamil Nadu, South India. *An international journal of environment and biodiversity*. 9(1), 124-133, 2018.
47. Some interesting ferns of the Kolli Hills, Tamil Nadu, India. *Indian Fern Journal*. 35, 196-198, 2018.
48. Cytology of an endemic fern *Lindsaeamalabarica*(Bedd.)Baker Ex C. Chr. (Lindsaeaceae) from South India. *Indian Fern Journal*. 35, 163-168, 2018.
49. New distributional record of *Aspleniumscalare*Rosenst. (Aspleniaceae) in India. *Journal of Threatened taxa*. 11(12), 2019.
50. Metabolomic and phytonutritive profiling of *Caricapapaya*.L – An *in-vitro* study. *International Journal of Life Sciences and Pharma Research*, 22-27, 2020.
51. Analysis of Phytoconstituents and antimicrobial activities of *Pognatummicrostomum* – a bryophyte(moss). *Purakala*. 2020.
52. An Investigation on antimicrobial, antioxidant and preliminary phytochemical screening of *Indigoferaaspalathoides*Vahl.Ex.Dc – a medicinal Plant. *Purakala*. 2020.
53. Analysis of Phytoconstituents and antimicrobial activities of *Pognatummicrostomum*– a bryophyte (moss). *Studies in Indian Place Names*. 2020.
54. Anatomical Studies on the Association of Endophytic Fungi and Their Isolation from *Alangiumsalviifolium* (Lf) Wangerin. *Journal of microbiology, biotechnology and food sciences*, 11(2), e3497-e3497. 2021.
55. Identification of antimicrobial potencies of *Floribundariawalkari*(Ren. & card): A moss Plant. *International Journal of Botany Studies*. 6(5), 186-189, 2021.
56. Investigation on *In-vitro* gametophyte development of selected fern species from Kolli hills, Tamil Nadu, India. *International Journal of Botany Studies*. 6(5), 320-323, 2021.

57. Investigation on the biological activities of *Bryumargenteum* Hedw.-a moss plant (Bryophyte) from Kolli Hills, Eastern Ghats, Tamil Nadu, India. *International Journal of Botany Studies*. 6(5), 909-912, 2021.
58. Screening of secondary metabolites and evaluation of its biological activity of isolated endophytic fungi *Aspergillusniger* from *Alangiumsalviifolium* (L.f.) Wangerin. *International Journal of Botany Studies*. 6(5), 801-804, 2021.
59. Checklist of Mosses (Bryopsida) from Pachamalai Hills of Eastern Ghats, Tamil Nadu, India. *International Journal of Botany Studies*. 6(6), 1424-1429, 2021.

### PAPERS ACCEPTED

- |   |   |      |           |
|---|---|------|-----------|
| 1. Diversity of mosses in Pachamalai hills of Tiruchirappalli district, Eastern Ghats, Tamilnadu.   | Indian Journal of Applied Pure Biology                | 2021 | 0970-2091 |
| 2. Taxonomical and Phytochemical Studies on a Bryophyte (Moss) plant <i>Bryummedianum</i> Mitt. from Kolli hills of Eastern Ghats, Tamilnadu. | Asian Journal of Pharmaceutical and Clinical Research | 2021 | 2455-3891 |
| 3 Phytochemical analysis and Evaluation of bioactivity of The endophytic fungi isolated From <i>Alangiumsalvifolium</i> (L.f.) Wagerin        | Heliyon   | 2021 | 2405-8440 |

### Sequence Submitted To NCBI: 13

1.	Alangiumsalvifolium matk gene sequence <b>NCBI, USA</b>	International	MK504091 2019
2.	Alangiumsalviifolium maturase K (matK) gene, partial cds; chloroplast	International	MK504091.1 2020

	<b><i>NCBI,USA</i></b>		
3.	Alangiumsalviifolium voucher AS 1 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence <b><i>NCBI,USA</i></b>	International	MN966492.1 2020
4.	Hypoxylongriseobrunneum isolate iso6 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <b><i>NCBI,USA</i></b>	International	MN819806.1 2020
5.	Daldiniaescholtzii isolate iso3 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <b><i>NCBI,USA</i></b>	International	MN820440.1 2020
6.	Alternariaarborescens isolate Iso7 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <b><i>NCBI,USA</i></b>	International	MN820653.1 2020
7.	Chaetomium sp. isolate Iso8 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene,	International	MN820658.1 2020

	partial sequence <b>NCBI,USA</b>		
8.	Talaromycestrachyspermus isolate Iso9 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence <b>NCBI,USA</b>	International	MN820900.1 2020
9.	Aspergillusniger isolate Iso12 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <b>NCBI,USA</b>	International	MN821058.1 2020
10.	Schizophyllum commune isolate Iso11 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <b>NCBI,USA</b>	International	MN821479.1 2020
11.	Schizophyllum commune isolate Iso10 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <b>NCBI,USA</b>	International	MN821481.1 2020
12.	Schizophyllum commune isolate Iso4 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence	International	GenBank: MN821480.1 2020

	<b><i>NCBI,USA</i></b>		
13.	Talaromycesaurantiacus isolate Iso 5(10) internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence <b><i>NCBI,USA</i></b>	International	MN820555.1 2020

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