

PROFILE



Name : Dr. S. SAHAYA SATHISH
Date of Birth : 10.06.1968
Qualification : M.Sc., M.Phil, Ph.D.
Designation : Associate Professor
Address: Office : **Head & Associate Professor**
Department of Botany
St. Joseph's College
Tiruchirappalli – 620 002
Residence : C 3, Maruthi Avenue, Kaveri Nagar,
Melachinthamani, Tiruchirapalli - 620 002.
Tamilnadu.

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,
Tiruchirappalli – 620 002

General Secretary, Aided College Teachers' Association (ACTA), Tamilnadu.

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	All	Since 2019
Citations	988	527
h - index	15	13
i10 - index	22	16

VIDWAN Profile Score: 8.4 / 10

Academic Qualification

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

Research Experience & Training

Research, Experience & Training	Title of Work / Thesis	University / Institution where the research was carried out
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

Course Taught	Name of the University / College / Institution	Duration
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 : 29 years – (6 Yrs : FIP, Leave & Management vacancies) + 22 Yrs (Aided)
- b. Post graduate : 27 years - (4 years leave vacancy) + 22 Years (Aided)

Research Project Carried out

Title of the Major/Minor Projects	Name of the Funding Agency	Duration	Remarks
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

Patent approved and Published– 2

1. Plant Root Power Harvesting Device
Design no: 407865-001, Date: 17/02/2024
2. Plant Diversity Detection Device
Design no: 407864-001, Date: 17/02/2024

Patent Applied:

1. Algal Biomass Producing Device
Design number: 6367296, Grant date: 28 May 2024, Registration date: 21 May 2024

➤ **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

PhD Thesis submitted : 1

PhD Ongoing students : 6

➤ **PhD Thesis adjudicated : 9**

➤ PhD Viva-Voce External examiner: 6

➤ **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 *Vigna mungo* 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 Manonmaniam Sundaranar University.
3. S. Senthilkumar 06MPB105.*Invitro* regeneration and antimicrobial studies on *Rauwolfia serpentina* (L) – an endangered medicinal plant, 2007, St. Joseph's College, Bharathidasan University.
4. S. Rajendran 06CD-29005 Studies on the antimicrobial activity of *Rauwolfia serpentina* (L) stem extracts on some pathogenic bacteria. 2007. Bharathidasan University.
5. K. Ebenezer Jebarani 06CD-29342 In vitro Studies on the antimicrobial activity of *Rauwolfia serpentina* (L) leaf extracts on some pathogenic bacteria. 2007. Bharathidasan University.
6. P. Pushphabai 06CD-29003 *Invitro* antimicrobial and preliminary

- phytochemical investigation of *Mukia medaraspata* (L.) 2007, Bharathidasan University.
7. M. Simporian Raj.06DCCA1219. Studies on the effect of leaf extract of *Catharanthus roseus* (L.) a medicinal plant, against some selected pathogenic bacteria.2007 Periyar University.
 8. U. Maniarasan 6DCCA1706.Antimicrobial screening of *Murraya exotica* (L.) – a medicinal plant. 10.2007 Periyar University.
 9. K. Murugesan 06DCCA1682 In vitro antimicrobial studies on *Rauwolfia serpentina* (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 *Bryum medianum*. 2013, St. Joseph's College, Bharathidasan University.
 13. J. Vedhamani 15MBO101 Green Synthesis and Characterization of Silver Nanoparticles by using *Sematophyllum humile* (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 *Oldenlandia umbellata* 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.

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

- **Head**, Department of Botany, St. Joseph's College, Tiruchirappalli (June2024 to till date)
- **Dean**, School of Biological Sciences, St. Joseph's College (2019 – 2022)

- **Director**, CSIR-UGC NET/SET Coaching Centre for Life Sciences, St. Joseph's College. (2014 – till date)
- **Director**, Cryptogamic study Unit, Department of Botany, St. Joseph's College, Tiruchirappalli – 620 002. (2012 – till date).
- **Senate member**, Bharathidasan University, (June 2022 – 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 & April 2023 to till date).).
- **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).

➤ **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 4th 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 29th 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 3rd and 4th June 2020.

c) Programmes Organized

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

➤ **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.**

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

Resource Person

1. Acted as the Chairman for the Oral Paper Presentation in the 'International Conference on Plant Science and Sustainability (ICPSS'24)' Organized by Department of Botany, Holy Cross College (Autonomous), Tiruchirappalli on 16.12.2022.
2. Convened the Doctoral Committee meeting for Miss. G. Karuniya Raja Viella (BDU2310432780519) Research Scholar, Government Arts College (Autonomous), Karur - 639 005 on 06.12.2024.
3. Delivered a special talk on 'Bionanotechnology: A Boon to Drug Delivery and Therapeutics.' in the Second Joy Mohandas Endowment Seminar Organised by Department of Botany Women's Christian College, Nagercoil – 629 001 on 10.10.24.

4. Acted as the Chairman in the Oral presentation in the Second Joy Mohandas Endowment Seminar Organised by Department of Botany Women's Christian College, Nagercoil – 629 001 on 10.10.24.
5. Convened the II **Doctoral Committee** meeting for Miss. G. Karuniya Raja Viella (BDU2310432780519) Research Scholar, Government Arts College (Autonomous), Karur - 639 005 on 25.09.2024.
6. Acted as the Judge in the 'Intercollegiate debate on GMO vs organic: which path holds the key to sustainable agriculture' by the Department of Botany Holy cross College, Tiruchirappalli 620 002 on 19.09.2024.
7. Convened the Synopsis (III Doctoral Committee) meeting for Mr. G. Thiagu, Ph.D Research Scholar, Department of Botany, Jamal Mohammed College (Autonomous), Tiruchirappalli, Tamil Nadu – 620 020 on 20.09.2024.
8. Convened the II **Doctoral Committee** meeting for Ms. R. Tharani, Ph.D Research Scholar, Botanical Survey of India, Coimbatore on 04.04.2024.
9. As the **external examiner** conducted the **PhD public Viva – Voce** of Mrs. S. Priya, Research scholar, Department of Botany of Government Arts College, Udhagai, The Nilgiris – 643 002, on 03.04.2024.
10. Organized the International Conference entitled “ International Conference on Life Sciences: Emerging Trends and Future Perspectives” as Organizing Secretary in collaboration with Department of Botany & Zoology, Sri Vidya Mandir Arts and Science College, Katteri, Krishnagiri – 636 902 on 27.03.2024 and 28.03.2024.
11. Delivered the **Key note address entitled** “Bryonanotechnology in the Development of Novel Functional Phytodrugs” in the International Conference entitled “ International Conference on Life Sciences: Emerging Trends and Future Perspectives” as Organizing Secretary in collaboration with Department of Botany & Zoology, Sri Vidya Mandir Arts and Science College, Katteri, Krishnagiri – 636 902 on 27.03.2024 and 28.03.2024.
12. Convened the I **Doctoral Committee** meeting for Miss. G. Karuniya Raja viella, Ph.D Research Scholar, PG and Research Department of Botany, Government Arts and Science College (Autonomous), Karur– 639 005 on 26.03.2024.
13. Acted as Resource person for Prof. Joy Mohandas Endowment Lecture Organised by Department of Botany, on 18.03.2024 at St. Mary's College (Autonomous), Thoothukudi – 628 001.
14. As University Nominee conducted the interview for the appointment of Assistant professor in Botany on 16.03.2024 at Nesamony Memorial Christian College, Marthandam, Kanyakumari District – 629 165.
15. Delivered the **Special talk** in National Conference on 'Green Nanotechnology - a bird's eye view' on 8th March 2024 at PG & Research Department of Botany, V.O. Chidambaram College, Thoothukudi – 628008.

16. Acted as Resource person in “An Intramural Workshop on Sophisticated Analytical Instruments” Organised by PG & Research Department of Botany, St. Joseph’s College, Tiruchirappalli. 21. 02.2024.
17. Convened the **Synopsis (III Doctoral Committee)** meeting for Mrs. S. Anushya, Ph.D Research Scholar, Department of Botany, Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu – 620 002 on 09.02.2024.
18. As Vice – Chancellors’ Nominee conducted the interview for the appointment of Assistant professor in Botany on 26.10.2023 at St. Mary’s College (Autonomous), Thoothukudi – 628 001.
19. Convened the Ph.D **Synopsis Viva-Voce** for Ms. E. Vidhya, Ph.D Research Scholar, Department of Botany, A.V.V.M. Sri Pushpam College (Autonomous), Poondi – 613 503 on 20.10.2023.
20. As the **Chief Guest delivered the talk** in ‘Green Nanotechnology – It’s easier than you think’ organized by the Department of Botany, Holy Cross College, Tiruchirappalli – 620 002 on 22.09.2023.
21. **Delivered the 9th Dr. P. Samraj Endowment lecture** on ‘*Green Nanotechnology – a bird's eye view*’ on 11.09.2023 in the Department of Botany, Scott Christian College, Nagercoil - 629 003, Tamil Nadu, India.
22. As the **external examiner** conducted the **PhD Viva – Voce** of A. S. Madhumonisa, Research scholar, PG and Research Department of Botany of Nirmala College for College for Women, Coimbatore on 12.04.2023.
23. As the **Judge** for the “MILLETZO-2023” conducted by Department of Botany, St. Joseph’s College, Tiruchirappalli – 620 002 on 08.03.2023.
24. As the **external examiner** conducted the **PhD Viva – Voce** of Mr. M. Sulaiman, Research scholar, Botanical Survey of India, Coimbatore – 641 003 on 19.01.2023.
25. Convened the II **Doctoral Committee** meeting for Ms. S. Anusya, Ph.D Research Scholar, Department of Botany, Holy Cross College, Tiruchirappalli – 620 002 on 12.12.2022.
26. As the **Judge** for the poster and paper presentation in the International Conference on “Scientific and Technological Advancement for Reliable and Sustainable – future (STARS-2022) conducted by Deanery of Academics and all the Science Departments at Holy Cross College, Tiruchirappalli – 620 002 on 16.11.2022 – 18.11.2022.

27. As the **Judge** for the “BIO-DE-FIESTA-2022” conducted by Department of Biotechnology, St. Joseph’s College, Tiruchirappalli – 620 002 on 14.10.2022.
28. As the Subject Expert conducted the interview for the appointment of Assistant professor in Botany on 26th July 2022 at Holy Cross College (Autonomous), Nagercoil-629 004.
29. Delivered the **Keynote address** in One day National Seminar on ‘Tree Conservation Strategy of Stala Viriksha, Department of Botany, Srimad Andavan Arts & Science College, Tiruchirappalli – 620 005 on 1st July 2022.
30. Acted as the **Subject Expert** in the PG Board of studies in the Department of Botany of **Sri Vidya Mandir Arts & Science College** (Autonomous), Katteri – 636 902, Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu, India on 26.05.2022.
31. As the **Quiz master** for the ‘Prof. R. Rengarajan Inter Department Quiz Contest’ on 24th May 2022, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
32. As the **Quiz master** for the ‘Dr. V. K. George Intra Department Quiz Contest’ on 24th May 2022, organised by Department of Botany, St. Joseph’s College, Tiruchirappalli. – 620 002.
33. 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.
34. **Conducted the II Doctoral Committee** meeting for Ms. R. Kavitha, Ph.D Research Scholar, Department of Botany, St. Joseph’s College, Tiruchirappalli – 620 002 on 20.04.2022.
35. **Conducted the II Doctoral Committee** meeting for Mr. S. Wellington Prabu, Ph.D Research Scholar, Department of Botany, St. Joseph’s College, Tiruchirappalli – 620 002 on 30.03.2022.
36. Convened the I **Doctoral Committee** meeting for Ms. R. Tharani, Ph.D Research Scholar, Botanical Survey of India, Coimbatore on 09.03.2022.
37. 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.
38. As a Resource person conducted the “Induction Programme for I UG Students” on 1st December 2021 at St. Joseph’s College, Tiruchirappalli – 620 002.
39. Delivered the **Special Address** in National webinar series on “Journeying through Intellectual Property Protection and Bio-Entrepreneurship” on 21st October 2021 organized by the Department of Biotechnology, St. Joseph’s College in collaboration with Bangalore Bio innovation Centre (Karnataka).

40. Delivered the **Special Address** in two days 'International webinar on Research insights in Human diseases' on 28th September 2021 at Department of Biotechnology, St. Joseph's College, Tiruchirappalli – 620 002.
41. **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.
42. **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.
43. 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.
44. Convened the I **Doctoral Committee** meeting for Mis. E. Vidhya, Ph.D Research Scholar, Department of Botany and Microbiology, A.V.V.M.Sri Pushpam College (Autonomous), Poondi – 613503, on 18.08.2021.
45. 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.
46. 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.
47. **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 13th December 2021.
48. 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.
49. 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.
50. 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.

51. **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.
52. Acted as the **Subject Expert** in the PG Board of studies for the Department of Botany of **Sri Vidya Mandir Arts & Science College (Autonomous)**, Katteri – 636 902, Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu, India on 26.08.2021.
53. 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.
54. 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.
55. 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.
56. **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 18th march 2021.
57. 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 Vidya Mandir Arts and Science College (Autonomous), Katteri – 636 902 on 16th march 2021.
58. Presides over the function and gave the presidential address in the programme ‘Manavar Kaviyarangam’ organized by the Department of Tamil, St. Joseph’s College, Tiruchirappalli – 620 002 on 10th march 2021.
59. 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 – 620 012 on 1st march 2021.

60. 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 30th January 2021.
61. Acted as the **Subject Expert** in the Board of studies for the Department of Botany of **Sri Vidya Mandir Arts & Science College** (Autonomous), Katteri – 636 902, Uthangarai (Tk), Krishnagiri (Dt), Tamil Nadu, India on 11.09.2020.
62. 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.
63. As the Guest **delivered a talk** on ‘Bryophyte – a traditional medicine hub’, in the lecture series SALVOS -2020 on 12th August 2020 organized by Department of Botany, Marthoma College, Chungathara, Malapuram District – 679 334, Kerala.
64. **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 2nd July 2020, Organised by Department of Botany, St. Andrew’s College, Gorakhpur, Uttar Pradesh.
65. 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.
66. 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.
67. 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.
68. Delivered the **special lecture** on ‘Green Nanotechnology’ in the Valedictory function of Biochemistry Association on 27th January 2020 at Department of Biochemistry, St. Joseph’s College, Tiruchirappalli, Tamilnadu – 620 002.

69. As the **external examiner** conducted the **PhD Viva – Voce** of Deepa K.M., Research scholar, PG and Research Department of Botany at ‘The Zamorin’s Guruvayurappan College’, Kozhikode, Kerala – 673 014 on 30.12.2019.
70. 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, Namakkal Tamilnadu – 637 205 on 29.05.2019.
71. Acted as the External member for the **Board of studies** for the Department of Botany, Srimad Andavan Arts and Science College (Autonomous), Tiruchirappalli, Tamilnadu – 620 005 on 26.04.2019.
72. 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.
73. As the **Chief Guest delivered 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.
74. 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.
75. 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.
76. 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.
77. 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, Namakkal Tamilnadu – 637 205 On 27.06.2018.
78. 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 Dhanalakshmi Srinivasan Agriculture College, Perambalur, Tamilnadu on 23rd May 2018.

79. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 6th March 2018, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
80. Delivered the **special lecture** on 'Green Nanotechnology – A tool for drug delivery' on 21st July 2017 at Department of Botany, J.J. College of Arts and Science, Pudukottai - Tamilnadu – 622 422.
81. 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.
82. 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.
83. Convened the **Doctoral Committee** meeting for Mr. Azhakar Swamy, Ph.D Research Scholar, Department of Botany, Periyar EVR College, Tiruchirappalli – 620 023 on 30.03.2017.
84. 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 1st March 2017.
85. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 23th February 2017, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
86. 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.
87. 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.
88. 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 19th September 2016.

89. 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 9th July 2016.
90. **Chaired** the technical session in the 'International Conference on Biotechnology (ICCSFPOB – 2016) Department of Biotechnology, Thanthai Hans Roever College (Autonomous), Perambalur on 9th July 2016.
91. 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.
92. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 27th February 2016, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
93. **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.
94. **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.
95. **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.
96. 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.

97. 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 10th December 2015 in the Dept. of Botany, Govt. College, Chittur, Palakkad, Kerala – 678 104.
98. 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 21st September 2015.
99. Convened the **Doctorial Committee** meeting for Mr. C. Thilip, Ph.D research scholar at Jamal Mohammed College, Tiruchirappalli – 620 020 on 03rd June 2015.
100. **Delivered the special lecture** on 'Impact of global warming in Biodiversity loss' on 27th March 2015 at Department of Botany, Sethupathy Govt. Arts College, Ramanathapuram, Tamilnadu – 623 502.
101. **Gave the special talk** on "Effective communication" in the Soft skill training programme organized by Soft skill centre, Nedunchezhan Govt. Arts College, Tiruverumbur, Tiruchirappalli on 06.03.15.
102. **Delivered the lecture** on "Effective communication" in the Soft skill training programme organized by Soft skill centre, Nedunchezhan Govt. Arts College, Tiruverumbur, Tiruchirappalli on 20.03.15.
103. As the **external examiner** conducted the Viva – Voce and evaluated the thesis for M.Phil Botany at Jamal Mohammad College, Tiruchirappalli on 7th March 2015.
104. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 11th February 2015, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
105. **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.

106. Convened the **Doctoral Committee** meeting for Ms. S. Suba, Ph.D Research Scholar, Department of Botany, A.V.V.M. Sri Pushpam College, Poondi – 613 503 on 18.11.2014.
107. Convened the **Doctoral Committee** meeting for Mr. V. Ayyadurai, Ph.D Research Scholar, Department of Botany, National College, Tiruchirappalli on 10.09.2014.
108. **Delivered the valedictory address** in the UGC Sponsored National Level Conference on “Recent Trends Innovation and Future Trends in Biology” on 25th July 2014 at National College, Tiruchirappalli.
109. **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.
110. **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.
111. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 10th February 2014, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
112. **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.
113. Convened the **Doctorial Committee** meeting for Mr. C. Thilip, Ph.D research scholar at Jamal Mohammed College, Tiruchirappalli – 620 020 on 17th April 2013.
114. **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.
115. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 10th February 2013, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.

116. **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 6th Feb 2013".
117. **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 7th Feb 2013".
118. **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 16th Feb 2012.
119. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 14th February 2012, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
120. **Delivered a talk** on 'Global warming' in the Rotary club of Nagercoil Mid town, Kanyakumari District on 11th January 2012.
121. **Acted as a Rapportier** – National Conference on Climate Change, Biodiversity, and Conversation' – St. Andrew's College, Gorakhpur, Uttar Pradesh – 17th Feb 2011.
122. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 15th February 2011, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
123. **Lecture on** 'Climate Change Endangers Life' organised by Bolivar Club, Department of Biotechnology, Cauvery College, Tiruchirappalli– 31 Nov 2010.
124. **Invited talk** in the IV Annual Academic Conference on "Emerging trends in Higher Education in India" – Loyola College, Chennai – Aided College Teachers' Association, Tamilnadu-30th Aug 2010.

125. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 8th February 2010, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
126. **Gave a special talk on** “Training on nursery raising techniques for college students” at Shepherd village Nagamangalam, Tiruchirappalli– 22.02.09.
127. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 13th February 2009, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
128. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 25th February 2008, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
129. As the **Guest delivered a talk** in the ‘Tree Plantation Programme’ at SHEPHERD village Boothakudi, Viralimalai, Tiruchirappalli – 15.08.2008.
130. As a **Quiz master** for the Dr.R. Rengarajan Inter Department Quiz Contest on 13th February 2016, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
131. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 11th February 2005, organised by Department of Botany, St. Joseph's College, Tiruchirappalli. – 620 002.
132. As a **Quiz master** for the Dr. R. Rengarajan Inter Department Quiz Contest on 12th February 2004, organised by Department of Botany, St. Joseph's College, Tiruchirappalli – 620 002.

➤ **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. Azhakar Swamy - 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.
13. Ms. G. Karuniya Raja Viella – Reg. No. :BDU2310432780519, Department of Botany, Government Arts College (Autonomous), Karur – 639 005.

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 Srimad Andavan 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.
- 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 10th January 2013.
2. Phytochemical studies of *Asystasia gangetica* (L.) T. Anderson. International conference on sustainable utilization, management and conservation of Bioresources (ICSMCB -2013). Department of Botany, St. Joseph's College, Tiruchirappalli. 11th 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. 7th 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. 8th January 2016.
5. Studies on the synthesis, Characterization, antioxidant activity of silver nanoparticles of *Thuidium tameriscellum* 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 *Campylopus flexuosus* and evaluation its antioxidant activity. International Conference on Frontiers in Nano –Biotechnology – ICFNB'17. Department of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli. 9th September, 2017.

7. Antimicrobial and phytochemical screening of a moss (Bryophyte) plant - *Sematophyllum humile* (Mitt.) Broth. International symposium on Innovations and Advancements in Agriculture and Plant Sciences (IAAPS 2018). Dhanalakshmi Srinivasan Agriculture College, Perambalur. 23rd May 2018.
8. Molecular Characterization of Medicinal Plant *Alangium salvifolium* (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. 3rd and 4th 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 22nd 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. 16th February 2011.
3. Phytochemical analysis and antimicrobial activity of *Cucumis anguria* L., - A medicinal herb. National Conference on climate change, Biodiversity & conservation. Department of Botany, St. Andrew's College, Gorakhpur, Uttar Pradesh, 17th 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. 15th 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. 16th 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. 21st November 2012.
7. Phytochemical studies on a Bryophyte (Moss) *Meteoriopsis squarrosa* (Hook.) M.FLEISCH using UV-Vis, FTIR, 1H and 13C- 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. 22nd November 2012.
8. Phytochemical analysis of *Indigofera linnaei* 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. 6th February 2013.
9. Hepatoprotective activity on *Eclipta prostrata* (Asteraceae) on carbon tetrachloride – induced hepatotoxicity in rats. National conference on Biodiversity conservation & sustainable development. 7th 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. 24th July 2014.
11. Invitro phytochemical studies on the medicinal fern *Vittaria elongata* Sw UGC sponsored National Level Conference on recent innovation and future trends in biology. Department of Botany, National College, Tiruchirappalli. 25th July 2014.
12. Antibacterial activity of the extracts of the moss plant *Cryptopapillaria fuscescens* (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. 5th 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. 5th 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. 5th February 2015.
15. Green synthesis of silver nanoparticles using Moss (Bryophyte) *Thuidium tameriscellum* (C.Muell) Bosch. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5th February 2015.
16. Analysis of the antioxidant activity of green synthesized silver nanoparticles of *Bryum medianum* 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. 9th 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. 10th December 2015.
18. Green synthesis of silver nanoparticles using Moss (Bryophyte) *Thuidium tameriscellum* (C.Muell) Bosch. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5th 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. 5th February 2015.

20. *Lindsaea malabarica* 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. 5th 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. 5th February 2015.
22. Green synthesis, Characterisation and evaluation of antimicrobial activity of silver nanoparticles from a bryophyte plant *Sematophyllum humile* (Mitt.). National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5th February 2015.
23. Invitro Antibacterial Studies on a Bryophyte plant *Sematophyllum humile* (Mitt.). National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5th February 2015.
24. Moss (Bryophyte) mediated synthesis, characterization of silver nanoparticles from *Campylopus flexuosus* (Hedw.) Bird. National Symposium on recent advances in medicinal and aromatic plants (NASYMP-15). Department of Botany, St. Joseph's College, Tiruchirappalli. 5th February 2015.
25. Green Synthesis and Characterization of silver nanoparticles from *Campylopus flexuosus* and evaluation its antioxidant activity. International Conference on Frontiers in Nano –Biotechnology – ICFNB'17. Department of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli. 9th September, 2017.
26. Phytochemical Analysis and Antimicrobial Evaluation of *Sematophyllum Humile* (Mitt.) Broth. National Conference on Emerging Trends in Science. Organised by Faculty of Science, Maharana Pratap P.G. College, Gorakhpur, Uttar Pradesh. 01-02 February 2019.

27. Antimicrobial, Antioxidant and Phytochemical Studies on *Andrographis Echoides* (L.) Nees – A Medicinal Plant. National Conference on Emerging Trends in Science. Organised by Faculty of Science, Maharana Pratap 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). Dhanalakshmi Srinivasan Agriculture College, Perambalur on 23rd May 2018.
29. Anatomical, phytochemical and *in vitro* antimicrobial activity of *Enicostemma littorale*, Blume. National Conference on Emerging Trends in Science. Organised by Faculty of Science, Maharana Pratap P.G. College, Gorakhpur, Uttar Pradesh on 01- 02 February 2019.
30. Phytochemical analysis and antioxidant activity of endophytic fungi *Alternaria arborescence*. 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/Workshop attended**

Theme	Name of the Institutions	Duration	
		From	To
Conferences (IN/N)			
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 College Teachers'	AIFUCTO	17. 10.08	19.10.08

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,	30.01.16	31.01.16
17. 'International Conference on Biotechnology (ICCSFPOB - 2016)'	Department of Biotechnology, 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, Periyar Evr College (Autonomous), Tiruchirappalli.	22.02.19	22.02.19
21. International Conference on: "Recent Trends in Biological Sciences"	St. Joseph's College, Tiruchirappalli, & St. Andrew's College, Gorakhpur, (U.P)	03.06.20	04.06.20

Symposiums

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| 1. 'Advances in national products chemistry' | St. Joseph's College,
Tiruchirappalli. | 21.02.02 | |
| 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)

- | | | | |
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| 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, Coimbatore.	22.02.06	23.02.06
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	Department of Biotechnology, St. Joseph's College,	07.01.20	

	Tiruchirappalli.		
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) St. Joseph's College, Tiruchirappalli.	15.05.20	
21. VICAS Bioscience Webinar on 'Triggering skill development For young biologist'	Department of Bioscience, Vivekanandha College of Arts and Science for Women, Tiruchengodu, Namakkal Dt.	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, Trinelveili.	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'	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	

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| 28. Online Faculty Development Programme on Inclusive Procedure and Process in Assessment and Accreditation by NAAC | IQAC,
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. | PG & Research
Department of Botany
& Department of
Biotechnology, School
Of Biological Sciences, | 24.07.20 | 27.07.20 |

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

44. Two days International Webinar on Research Insights in Human Diseases	Department of Biotechnology, St. Joseph's College, Tiruchirappalli.	28.09.21 to 29.09.21
45. National Webinar on Silent Valley- A Tropical Rain Forest	Department of Botany, Marthoma College, Chungathura, Malappuram Dt, Kerala.	04.09.21
45. National Webinar on Intellectual Property Rights (IPR) - Patent and Design Process	Department of Biochemistry, St. Joseph's College, Tiruchirappalli.	05.10.2021
46. International webinar on "Two Hallmarks of Plant Development and Adaptation viewed through the Embryonic Lens"	Department of Plant Biology and Plant Biotechnology, Presidency College, Chennai - 600 005	29.12.2021
47. XVI Conference of the Indian Fern Society and International Symposium On 'Research in Pteridology: Priorities and Challenges	Department of Botany, University of Calicut, Kerala – 673 635	19.03.2022 to 21.03.2022
48. Faculty Development Programme on LOCF- A Reformative Roadmap Towards Excellence	Internal Quality Assurance cell, St. Joseph's College, Tiruchirappalli	20.02.2023
48. Dr. V. Balakrishnan Memorial CME programme On the topic of "How to Protect your heart in the In the Current Era	Department of Biotechnology, St. Joseph's College, Tiruchirappalli-2	28.02.2023
49. Orientation Programme for The Teaching Faculty	Internal Quality Assurance cell	15.06.2023 to 16.06.2023

St. Joseph's College,
Tiruchirappalli-2

50. Faculty Development Programme on Intricacies of writing for research publications and projects

Internal Quality cell
St. Joseph's College,
Tiruchirappalli.

27.10.2023

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 Immunology'	St. Joseph's College, Tiruchirappalli.	25.02.04	26.02.04
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. Workshop on ‘Fold-Scope and Smart Phone based Tinyscope’	Department of Biotechnology, St. Joseph’s College Tiruchirappalli.	01.09.23	

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 (*Pleurotus sajor-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 *Symphytum officinale*. L against selected pathogenic bacteria. *International journal of Research in Pharmaceutical Sciences*. 2(1), 92, 2011.
5. In vitro propagation of *Aristolochia bracteata* Retz. - a medicinally important plant. *Research in Biotechnology*, 2(6), 44-52. 2011.

6. UV-VIS and FTIR Spectroscopic studies on *Peristrophe bicalyculata* (Retz.) Nees. *Asian Journal of Pharmaceutical and Clinical Research*, 4(4), 126-129, 2011.
7. Phytochemical Analysis of *Vitex altissima* L. using UV-VIS, FTIR and GC-MS. *Asian Journal of Pharmaceutical and Clinical Research*. 4(1): 56-62, 2012.
8. Phytochemical studies on *Allamanda cathartica* L. using GC-MS. *Asian Pacific Journal of Tropical Biomedicine*, 2(2), S550-S554. 2012.
9. GC-MS analysis of bioactive constituents of *Peristrophe bicalyculata* (Retz.) Nees. (Acanthaceae). *Asian Pacific Journal of Tropical Biomedicine*, 2(1), S46-S49. 2012.
10. Antibacterial activity of mosses, *Thuidium tameriscellum* Bosch and *Pyrobryum spiniforme* Mitt. *International Journal of Biological Technology*. 2012.
11. A novel pathway of nodule inhibition in Bengal gram (*Cicer arietinum*) by ammonium nitrate induced IAA oxidase activity. *International Journal of Biological Technology*. 2012.
12. Identification of Antimicrobial potencies and enumeration of phytochemical constituents of *Cucumis anguria* L. *International Journal of Biological Technology*. 2012.
13. GC-MS studies on *Andrographis paniculata* (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 (*Vigna radiata* L.) variety kurumani. *Journal of Basic and applied biology*. 2013.
15. Phytochemical Analysis of *Indigofera linnaei* L. using UV-VIS, FTIR and GC-MS. *Journal of Basic and applied biology*. 2013.
16. Preliminary Phytochemical analysis and antibacterial activities on *Clitoria ternatea*. *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 *Indigofera linnaei* L. against selected pathogenic bacteria. *Journal of Basic and applied biology*. 2013.
19. Hepatoprotective Activity of *Eclipta alba* on Carbon Tetrachloride-Induced Hepatotoxicity in Rats. *Journal of Basic and applied biology*. 2013.
20. Antioxidant Activity of *Eclipta prostrata* on Carbon Tetrachloride-Induced Hepatotoxicity in Rats. *Journal of Basic and applied biology*. 2013.

21. Anti-inflammatory activity of *Eclipta prostrata* on carraceenan induced paw edema in rats. *Journal of Basic and applied biology*. 2013.
22. Antimicrobial activity and preliminary phytochemical analysis of *Sesamum Laciniatum*. (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 *Tragia involucrata* 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 hydrazinothiazolyl pyrazole 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 *Vittaria elongata* Sw. A medicinal Fern. *International Journal of Research in Engineering and Bioscience*. 2014.

29. UV- Vis and FTIR Spectroscopic studies on the medicinal fern *Vittaria elongata* Sw. Proceedings of the National Level Conference on “Recent Innovation and Future Trends in Biology”. National College, Tiruchirappalli. 2014.
30. Anti-bacterial efficacy of *Vitex altissima*. *International Journal of Research in Engineering and Bioscience*. 2015.
31. Chromosome study on the fern species *Leptochilus decurrens* 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 *Asplenium decrescens* from Kolli Hills, Tamil Nadu. *Journal of Cytology and Genetics*, 17, 69-71. 2016.
35. Antioxidant and antimicrobial studies on biosynthesized silver nanoparticles using *Bryum medianum* 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 *Bryum salakense* 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 *Lindsaea malabarica* (Bedd.) Baker Ex C. Chr. (Lindsaeaceae) from South India. *Indian Fern Journal*. 35, 163-168, 2018.
49. New distributional record of *Asplenium scalare* Rosenst. (Aspleniaceae) in India. *Journal of Threatened taxa*. 11(12), 2019.

50. Metabolomic and phytonutritive profiling of *Carica papaya*.L – An *in-vitro* study. *International Journal of Life Sciences and Pharma Research*, 22-27, 2020.
51. Analysis of Phytoconstituents and antimicrobial activities of *Pogonatum microstomum* – a bryophyte(moss). *Purakala*. 2020.
52. An Investigation on antimicrobial, antioxidant and preliminary phytochemical screening of *Indigofera aspalathoides* Vahl.Ex.Dc – a medicinal Plant. *Purakala*. 2020.
53. Analysis of Phytoconstituents and antimicrobial activities of *Pogonatum microstomum* – a bryophyte (moss). *Studies in Indian Place Names*. 2020.

54. Anatomical Studies on the Association of Endophytic Fungi and Their Isolation from *Alangium salviifolium* (Lf) Wangerin. *Journal of microbiology, biotechnology and food sciences*, 11(2), e3497-e3497. 2021.
55. Identification of antimicrobial potencies of *Floribundaria walkari* (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 *Bryum argenteum* 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 *Aspergillus niger* from *Alangium salviifolium* (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.

60. Green synthesis, Characterization and Biological studies on *in vitro* cultured fern – *Lygodium microphyllum* (CAV.) R. BR. Biochemical and cellular archives. 23(2), 975-980, 2023.

PAPERS ACCEPTED

Investigation on Green Synthesis, Characterization and Biological studies of <i>in vitro</i> cultured fern – <i>Nephrolepis brownii</i> (Desv.) Hovenkamp & Miyam	Indian Journal of Science and Technology	2024
Investigation on phytochemical properties, antimicrobial and antioxidant activities of <i>in vitro</i> cultured <i>Nephrolepis brownii</i> (Desv.) Hovenkamp & Miyam.	International Journal of Biosciences	2024
Production of an alternative biofuel from the tubers of <i>Cyperus rotundus</i> L. (a potent weed) by enzymatic and acid hydrolysis	International Journal of Biosciences	2024

Sequence Submitted To NCBI: 13

1.	<i>Alangium salvifolium</i> matk gene sequence NCBI, USA	International	MK504091 2019
2.	<i>Alangium salviifolium</i> maturase K (matK) gene, partial cds; chloroplast NCBI, USA	International	MK504091.1 2020
3.	<i>Alangium salviifolium</i> 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	International	MN966492.1 2020

	<i>NCBI,USA</i>		
4.	<i>Hypoxylon griseobrunneum</i> 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 <i>NCBI,USA</i>	International	MN819806.1 2020
5.	<i>Daldinia eschscholtzii</i> 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 <i>NCBI,USA</i>	International	MN820440.1 2020
6.	<i>Alternaria arborescens</i> 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 <i>NCBI,USA</i>	International	MN820653.1 2020
7.	<i>Chaetomium</i> 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, partial sequence <i>NCBI,USA</i>	International	MN820658.1 2020

8.	<p><i>Talaromycestra chyspermus</i> isolate Iso9 internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence NCBI,USA</p>	International	MN820900.1 2020
9.	<p><i>Aspergillus niger</i> 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 NCBI,USA</p>	International	MN821058.1 2020
10.	<p><i>Schizophyllum commune</i> 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 NCBI,USA</p>	International	MN821479.1 2020
11.	<p><i>Schizophyllum commune</i> 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 NCBI,USA</p>	International	MN821481.1 2020
12.	<p><i>Schizophyllum commune</i> 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 NCBI,USA</p>	International	GenBank: MN821480.1 2020

13.	<i>Talaromyces aurantiacus</i> 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 <i>NCBI, USA</i>	Internatio nal	MN820555.1 2020
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