



Name: **S.KALA**

Designation: Associate Professor

Educational Qualification: M.Sc., M.Phil., Ph.D., M.Ed., M.Phil.,

| Sl.No. | Degree | University/ College | Year of passing |
|--------|--------------------|---|-----------------|
| 1 | Ph.D. | St.Joseph's College, Truchirappalli | 2007 |
| 2 | M.Phil.(Botany) | St.Joseph's College, St.Joseph's College, Truchirappalli | 1987 |
| 3 | M.Sc. | Holy Cross College, Truchirappalli | 1985 |
| 4 | B.Sc. | Holy Cross College, Truchirappalli | 1983 |
| 5 | M.Phil (Education) | Bharathidasan University, Truchirappalli | 2008 |
| 6 | M.Ed. | Madras University | 1992 |
| 7 | B.Ed. | Annamalai University | 1989 |

Experience:

UG: 17 years

Area of Specialization: Microbiology and E- Learning

Research Papers Presented:

| Title of the seminar | Title of the paper | Level | Sponsor | Date & Venue |
|---|--|---------------|---|---|
| Sustainable development and Management of Natural Resources | Antimicrobial activity of <i>Acanthephippium bicolor</i> , Lindley | International | Holy Cross College | March 15-17, 2003 Holy Cross College |
| The Role of Research and Publication | Innovative teaching methodology. | National | Scan foundation | January 10 th 2004 Cauvery College |
| Rural Biotechnology for sustainable development | Waste recycling and resource recovery. | National | Department of Biology, Gandhigram Rural University | February 19 th & 20 th 2004 Department of Biology, Gandhigram Rural University |
| New frontiers in Biological Sciences | Antimicrobial activity of <i>Melaxis rheddi</i> . | National | Holy Cross College, Truchirappalli | 19 th & 20 th 2007 Holy Cross College, Truchirappalli |
| Technical symposium | Nanotechnology | State | Seethalakshmi | 5 th & 6 th March 2009 |

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|--|--|---------------|---|---|
| | | | Ramswami College, Truchirappalli | Seethalakshmi Ramswami College, Truchirappalli |
| Challenges of Quality Sustenance and Enhancement in Arts and Science Education | Value based education for overall personality development | National | IQAC | August 11 th & 12 th 2009, Seethalakshmi Ramswami College, Truchirappalli |
| Quality in higher education- issues and Challenges | Integrating modern methods and media in teaching, learning and evaluation. | National | IQAC | October 28 th and 29 th , 2010 Ayyanadar Janaki Ammal College, Sivakasi |
| Conservation and Utilization of Rural and Ethnomedicinal plants | Phytochemistry and Pharmacology of <i>Acanthephippium bicolor</i> , Lindley. | National | UGC | 28 th & 29 th , January 2011; Gobi Arts and Science College, Gobichettipalayam. |
| Toning up of Quality in Higher Education- Challenges and Strategies | Use of ICT in teaching | National | NAAC | 1 st & 2 nd August 2011 Bharathidasan University |
| Cosmochemistry | Chlorella- Jewel of East | International | PG & Research Department of Chemistry | 14 th September 2011 PG & Research Department of Chemistry |
| Recent advances in Education Technology | e-learning- A technological advancement in teaching & learning | International | Department of Education technology | 23 rd & 24 th August 2014; Department of Education technology |
| Sustainable Utilization, Management and Conservation of Bioresources | <i>Coleus forskholii</i> – a rich source of forskolin, the biological amplifier, Photochemical and biological potential. | International | Department of Botany, St. Joseph's College. | 10 th & 11 th January, 2013; Department of Botany, St. Joseph's College. |
| Art in everyday life, | Leafy greens in | National | UGC | 5 th December 2013 Department of Home |

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|--|---|----------|------|--|
| | everyday life | | | Science, Seethalakshmi Ramswami College |
| Recent innovation and future trends in biology | Rhizoremediation- A promising rhizosphere technology. | National | UGC | 24 th & 25 th July, 2014 PG & Research Department of Botany, National College |
| Complementary approach to aspects and application of music and yoga | Plants say, Music makes me grow | National | UGC | 11th & 12th August 2009; Department of Music & Centre for ethics and human values, Seethalakshmi Ramswami College, Truchirappalli |
| Quality initiatives & Bench marking in Higher Education Institutions | E-learning- A changing landscape of higher education and a catalyst for enriching the learning. | National | NAAC | 3rd & 4th September 2015 Surana College, Bengaluru, |
| Conflict management and youth development | “Conflict management of women at work place” | National | UGC | 21 st January 2017 Centre for ethics and Human values, Seethalakshmi Ramaswami College, Truchirappalli |
| Innovative textiles | Ayurvastra- fabrics that heal | National | UGC | 28 th January 2017 Department of Home Science, seethalakshmi Ramaswami College, truchirappalli |

Research Papers Published:

- ❖ **Antimicrobial activity of *Acanthephippium bicolor*, Lindley**
Malaysian Journal of Microbiology., ISSN: 1823-8262; Vol. 6(2) 2010., P.No. 140-148.
- ❖ **Rhizoremediation: A promising rhizosphere technology**

IOSR Journal of Environmental Science, Toxicology and food technology. Vol. Issue. ver. II August 2014 P.No. 23-27. Impact factor- 1.325 Citation report: 63.6% e.ISSN:2319-2402: P.ISSN: 2319-2399

❖ **Antimicrobial activity of *Coleus forskohlii* (Willd) Briq and *Costus igneus* N.E.Br.**

IOSR journal of Pharmacy and Biological Sciences Vol.9 Issue.5 Ver.II September-October 2014; P.No. 01-06; e.ISSN: 2278-3008; p.ISSN: 2319-7676: Impact factor:1.138;Citation report: 71.7%

❖ **Leafy Greens in everyday life**

Proceedings- Art in Everyday life Sponsored by UGC; Published By Department of Home Science, Seethalakshmi Ramaswami College, Truchirappalli, P.No. 66-69. ISSN: 978-81-92288-2-9-1

❖ **Plants say music makes me grow**

Proceedings – “Complementary approach to aspects and applications of music and yoga” UGC sponsored National seminar organized by Department of Music and Centre for Ethics and Human values ISBN 978-81-921759-5-9 Page- 19-22

Books published (if any):

- ❖ Orchids- Biodiversity and conservation- a tissue culture approach Chapter: Ethnopharmacological values of orchid. P.No. 206-227.
- ❖ Role of Biotechnology in medicine and aromatic plants Chapter: Orchids- A potential source of secondary metabolites. P.No. 195-224.
- ❖ Flora of the Campus- A herbal hand book June, 2015
- ❖ Dictionary of Botany- Beyond just giving the meaning ISBN: 978 81 92284675 October 2015
- ❖ Environmental education through Educational technology. 2009 Chapters:
 - Introduction to e-learning P.No.139-154;
 - Researches in e-learning P.No.155-164;
 - e-learning- The Procedure P.No. 165-233.
- ❖ E-publication: Mental health and Ayurveda in 4th Ayurveda Congress and Arogya Expo. 9th – 13th december 2010 Gayathri Vihar, Palace ground, Bengaluru, Sponsored by AVS, Kottakal, Dhootapapeshwar.
- ❖ “Arokiya Vazhvu Tharum Keeraigal” Malavika Publication , April 2017

Research Projects:

Minor project: Antimicrobial activity of a selected medicinally used orchid of the Kolli Hills. Date of sanction: 25.2.2006 Link No. 2183; Amount: 45,000/- Duration: 2006-2008

Major Project: Construction and maintenance of herbal garden, phytochemical and antimicrobial efficiency of selected medicinal plants. Date of sanction: 1.7.2011; Link No. F.40-321/2011; Amount: 5,48,000/- ; Duration: 2011-2013

External experts: (board members, chairman, research external examiners, selection committee members, Inspection committee member, etc)

Board of Studies: St.Joseph's College, Foundation courses, 2014

Selection committee member, Project fellow- Major research project, Holy Cross College,

External expert- Academic Audit, Periyar EVR College, 2016

Doctoral Committee Member

External examiner, M.Phil Viva voce, St.Joseph's College

Resource person:

- St.Mary's College, Tutucorin – 7th March 2012 National seminar On herbal medicine
Delivered speech on “ **Herbals – the elixir of life**”
- Cauvery College for Women, Truchirappalli – 19th July 2012 Seminar on
Biotechnology and its ecological implication
Delivered speech on “ Bioremediation”
- Srimead Andavar Arts and Science College, Truchirappalli 8th January 2016
Guest lecture on “Bioremediation”
- Department of Music, Seethalakshmi Ramaswami College, Truchirappalli
Invited speech on “ Plants say music makes me grow”
- Dhanalakshmi Srinivasan College, Perambalur – 30th January 2017
Spoke on “ Medicinal herbs – Our treasure”
- Alagappa University – Two days National level workshop and short term training
programme on “ Micropropagation and Business commercialization of Indian
medicinal plants”
Spoke on “ Medicinal herbs for diabetes and their propagation”
- Adhiyaman Arts and Science College for Women, Uthankarai. 31st August 2017
Gave a lecture on Traditional Herbal Medicine – A modern twist for holistic healing”

Radio Programme:

- Live-in Programme in Fm Rainbow 102:1 7th January 2013 1pm to 1.45 pm on
the topic “ Unavil keeraigalin mukiyia thuvam”
- Live in Programme in All India Radio 21st December 2015 1.05 pm to 1.45 p.m
on the topic “ Veetu thottathirkana mooligaigal”
- Weekly programme on “ Varam oru mooligai” for 30 weeks in All India Radio

Other positions held in the college:

Vice-president – College students' Union – 2006 & 2013

IQAC Coordinator

Admission Committee Member

Vice president, Botany Association

Member, Board of Studies