

## PROFILE



Name : **Dr. SR. IRUTHAYA KALAI SELVAM**  
Designation : Assistant professor  
Department : Zoology  
Date of Birth : 05/01/1979  
Date of Appointment : 16.6.2008

### CONTACT DETAILS:

**Present Address** : St. Anne's convent  
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### Academic Qualifications:

S. No	Degree	Year	Subject	University / Institution	% of marks
1.	B. Sc	2000	Zoology	Manonmaniam Sundaranar University, Tirunelveli.	73.63
2.	M. Sc	2007	Zoology	Mother Teresa Women's University, Kodaikanal.	87.69
3.	M.Phil	2008	Zoology	Manonmaniam Sundaranar University, Tirunelveli.	75.54
4.	Ph. D	2013	Zoology	Madurai Kamaraj University, Madurai.	Awarded

**Total Experience** : 8 Years  
**Area of Specialization** : Microbial Biotechnology

### Publications

1. **S. Iruthaya Kalaiselvam** and Aruna Devaraj. (2011). Effect of root exudates of *Tagetes* sp. on egg hatching behavior of *Meloidogyne incognita*. International research journal of pharmacy. 2(10): 93-96. (ISSN: 2230-8407).

2. Priya Joy, D. Patric Raja and **S. Iruthaya Kalai Selvam**. 2012. Effect of different plant hormones on the callus induction of *Jasminum sambac*. *International Journal of Applied Bioresearch*. 9: 8-11. (ISSN: 2250-2033).
3. Priya Joy, D. Patric Raja and **S. Iruthaya Kalai Selvam**. 2013. Callus induction in the leaf segments of *Jasminum angustifolium*. *Botanical Report*. 2(1): 3-5. (ISSN: 2319-8230). (ISSN: 2250-2033).
4. Priya Joy, D. Patric Raja and **S. Iruthaya Kalai Selvam**. 2014. Genetic analysis of somoclonal variation among *Jasminum auriculatum* and its callus. *International Journal of Biological Technology*. 5(1): 19-24. (ISSN: 0976-4313).
5. **Iruthaya Kalai Selvam S**, Nirmala T and Krishnakumar J. (2015). Effect of probiotic bacteria (*Lactobacillus rhamnosus*) on the survival, growth and immune responses of the fresh water prawn *Macrobrachium idea*. *International Journal of Pharmacy and Biomedical Research*. 2(3): 1-7. (ISSN: 2394-3726).
6. Reenal M and **Iruthaya Kalai Selvam S**. (2015). Green Synthesis and Antibacterial activity of Silver Nanoparticles using *Oryza sativa* Husk Extract. *International Research Journal of Environment Sciences* 4(5): 68-72. (ISSN: 2319-1414).
7. **S. Iruthaya Kalai Selvam**, R. Aruna Devaraj, C. Sagaya Rani. (2015). Allelopathic Effect of *Tagetes erecta* on Soil Microbes and Nematodes of Papaya. *Indo American Journal of Pharmaceutical Research*. 5(10): 3210-3219. (ISSN: 2231-6876).

### **Proceedings**

1. Subbulakshmi S., **S. Iruthaya Kalai Selvam**, Joji Reddy L., Joys Rathinam A. (2016). Green synthesis and antimicrobial activity of silver nano particles using *Senna auriculata* flower extract. *Extended Summaries of Contributed Papers International Conference on "Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology-Research and Commercialization"*. (5.1.3). 14-20. Loyola Academy Degree & PG College, Old Alwal, Secunderabad - 500 010, Telangana state, India. ISBN: 978-93-7495-634-2. February 25-27.
2. Jeyabharathi S., **Iruthaya Kalai Selvam, S.**, Vennila, B., Nirmala, T. (2016). Green synthesis and antimicrobial activity of silver nano particles using *Moringa oleifera* flower extract. *Extended Summaries of Contributed Papers International Conference on "Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization"*. (5.1.4). 21-26. Loyola Academy Degree & PG College, Old Alwal, Secunderabad - 500 010, Telangana state, India. ISBN: 978-93-7495-634-2. February 25-27.

### **Seminar Attended**

1. **State** level seminar on "Christian Values for wholesome Life" sponsored by Xavier Board of Higher Education in India, J.A. College for Women (A), Periyakulam. 29/8/2008.

2. **State** level one-day seminar on “Modern Biological Sciences” with a support of Indian Nation Science Academy New Delhi. PG Department of Zoology, J.A. College for Women (A), Periyakulam. 27/ 01/2009.
3. Awareness programme on SILKMARK. PG Department of Zoology, APA College for women, (A), Palani. 17/7/2009.
4. **State** level seminar on “Social work Practice in Mental Health: Contemporary Roles, Tasks and Challenges.” Department of Social Sciences, Lady Doak College. Madurai. 29/10/2009.
5. **National** Level Seminar on “Inculcation of Values for Holistic Life Amidst Technological Scenario”. J.A. College for Women (A), Periyakulam. 06 & 07/12/2010.
6. **State** level seminar on “Biodiversity- Measures for Conservation and Management” J.A. College for Women (A), Periyakulam. 16/12/2010.
7. **National** Level Seminar on “Human Rights” organized by IQAC. J.A. College for Women (A), Periyakulam. 9 - 10.12.2010.
8. Seminar on “Molding the Christian youth in the light of Christ”. J.A. College for women (A), Periyakulam. 15/09/2011.
9. **National** seminar on “New Frontiers in Biology” Sponsored by UGC. PG Department of Zoology J.A. College for women (A), Periyakulam. 18<sup>th</sup> & 19<sup>th</sup>/12/ 2012.
10. **International** seminar on Modern Trends in Applied Microbiology. PG Department of Zoology J.A. College for women (A), Periyakulam. 19/8/2013.
11. **National** seminar on “Interdisciplinary Application of Biology” Sponsored by UGC. PG & Research Centre of Zoology J.A. College for women (A), Periyakulam. 28& 29/1/2015.
12. **UGC Sponsored National** seminar on “Ranking the Research Publications: Citation Analysis, Citation Databases and Anti-Plagerism. Central Library, J.A. College for women (A), Periyakulam. 27& 28/1/2016
13. National Seminar on “Emerging Trends in Life Sciences” at J.A. College for women, Periyakulam on 9<sup>th</sup> January 2018.

### **Conferences Participated**

1. **International** conference on “BIOETHICS”. M.T.W.U. Kodaikanal. 24 – 26/9/2008.
2. **International** Conference on Science, Society and Sustainability “Many Species, One Planet”. Lady Doak College Madurai. 11 -13/01/2012.
3. **National** conference on “Technology for wealth from waste” (Recycling, recovery and Remanufacturing. Loyola Institute of Frontiers Energy(LIFE) & Loyola ICAM College of Engineering and Technology(LICET), Chennai. 8&9//2013.

4. **14<sup>th</sup> FAOBMB Congress & 84<sup>th</sup> Annual Meeting of SBC (I) Current Excitement in Biochemistry and Molecular biology for Agriculture and medicine** by Centre for Cellular and Molecular Biology, Hyderabad, India. BITS Pilani, Hyderabad, India. 27-30/ 11/2015.
5. **International conference** on Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization. Loyola Academy Degree & PG College, Old Alwal, Secunderabad-500 010, Telangana state, India. 25-27/2/2016.

### **Workshop / Training Participated**

1. The **course** on Social Analysis". IDEAS. Madurai. 07-12/ 06/2009.
2. **State level seminar cum Workshop** on "Future Scope for Young Botanists in Herbal Industries". S.F.R. College for women. Sivakasi. 09/10/2009.
3. **National** Level Workshop on "Techniques in Animal Cell Culture". Lady Doak College. Madurai. 22 -26 /2/2010.
4. Two days' **Workshop** on "Higher Education in a Changing Environment". J.A.C (A), periyakulam. 26 & 27 -11/2010.
5. **Workshop** on "Recent Trends in Science for Talented Rural School Students of Periyakulam Educational District". PG Department of Zoology J.A. College (A), Periyakulam. 12&13/10/2011.
6. **State level workshop** on "Hands on Training in Avian Studies". PG Department of Zoology J.A. College (A), Periyakulam. 14-15/2/2012.
7. **International workshop** on Profiling Research Publications for Quality Research. Sri Saradha College for women. Tirunelveli. 01-02-2012.
8. 3 days' Environmental awareness programme. Anglade Institute of Natural History, Shenbaganur, Kodaikanal. 20-2/2/012.
9. **State Level Workshop** on Statistical Packages for The Social Sciences (SPSS). PG Department of Zoology J.A. College (A), Periyakulam. 11 -15/2/2013.
10. Counsellor **Training Course**. J..A..College for Women (A). Periyakulam. 5-10/6/2013.
11. **State level Workshop** on "Reforms in Curriculum Development and examination System". J..A..College for Women (A). Periyakulam. 13/11/2013.
12. **State level Workshop** on "Advanced Techniques in Biotechnology. Dept of Biochemistry &Biotechnology, Sourashtra college Madurai. 23-25/1/2014.

13. **National** level motivational cum capacity building workshop for college teachers organized by Xavier Board of Higher Education, Western Region (India). Pilar Deepti Sadan, Goa. 21-22/3/2014.
14. **National** level Workshop on E-Content Development for Effective Teaching and Learning. Dept. of physics, J.A College for Women (A). Periyakulam. 11-13/9/2014.
15. Leadership **Training** programme for the faculty members of JAC(A) Periyakulam. Centre for Education Beyond Curriculum (CEDBEC) Christ University, Bangaluru. 29&30/6//015.
16. One Day Mushroom Training. Department of Floriculture and Medicinal Crops, Horticultural College & Research Institute, Periyakulam. 14/7/2015.
17. A **State Level Workshop** on Statistical Packages for The Social Sciences (SPSS). PG & Research Centre of Zoology, J.A. College for Women (A), Periyakulam. 24 - 28/8/2015.
18. Worksho on “Microbial- Molecular Techniques and their applications” UGC- Networking Resource Centre in Biological Sciences at Madurai KamarajUniversity, Madurai on 26<sup>th</sup> Dec. to 7<sup>th</sup> Jan. 2017.
19. International Workshop on STATISTICS USING EXCEL AND SPSS J.A. College for women, Periyakulam 5<sup>th</sup> and 6<sup>th</sup> September 2017
20. Workshop on Women in Science and Research J.A. College for women, Periyakulam 19<sup>th</sup> & 20<sup>th</sup> February,2018

### **Hands on Training**

UGC\_NRCBS, XXXI Winter School on “Microbial- Molecular Techniques and their applications” UGC- Networking Resource Centre in Biological Sciences, Madurai Kamaraj University, Madurai-625021. 26/12/2016- 07 /01/ 2017.

### **Paper Presented**

1. “Allelopathy as a Participatory Technology for Resource Poor Banana Farmers” in International Conference on Science, Society and Sustainability “Many Species, One Planet”. Lady Doak College, Madurai. 11 -13/01/2012
2. “Effect of Probiotic bacteria (Commercial *Lactobacillus*) on the survival and growth performance of *Cirrhinus mrigala*” presented in National seminar on “New Frontiers in Biology”. J.A. College for Women (A), Periyakulam. 18 & 19 /12/ 2012.
3. “Industrial waste management” presented in National conference on “Technology for wealth from waste” (Recycling, recovery and Remanufacturing). Loyola Institute of Frontiers Energy(LIFE) &Loyola ICAM College of Engineering and Technology (LICET), Chennai. 8&9//2013.

4. “Green synthesis and Antibacterial Activity of Silver Nano particles using *Oriza sativa* Husk Extract in National seminar on “Interdisciplinary Application of Biology” Sponsored by UGC. PG & Research Centre of Zoology J.A. College for women (A), Periyakulam. 28 & 29/1/2015.
5. Green synthesis and Antimicrobial Activity of Silver Nano particles using *Moringa oleifera* flower extract in the International conference on Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization. Loyola Academy Degree & PG College, Old Alwal, Secunderabad-500 010, Telangana state, India. 25-27/2/2016.
6. Green synthesis and Antimicrobial Activity of Silver Nano particles using *Senna auriculata* flower extract in the International conference on Emerging Trends in Synthesis of Nano Particles in Agri Biotechnology - Research and Commercialization. Loyola Academy Degree & PG College, Old Alwal, Secunderabad - 500 010, Telangana state, India. 25-27/2/2016.