

## PROFILE

**Name :** S. Elavarasi  
**Gender :** Female  
**Department:** Zoology  
**Email and contact no.:** elavarasi888@gmail.com  
**Mobile:** +919003991615



### Educational Qualifications:

Degree	Year of Pass	Percentage of Mark & Class	Special subjects	Institution/ University
Ph.D., Zoology	April 2016	Commended	Evaluation of antidiabetic potential of traditionally used medicinal plants, <i>Cyathea nilgiriensis</i> (Holttum) and <i>Pterocarpus marsupium</i> Roxb. in STZ induced diabetic rat model.	Nehru Memorial College, (Affiliated to Bharathidasan University)
M.Phil., Zoology	December 2010	First class with Distinction (S+ grade - 85.2%)	Research Methodology, Recent advances in Biological Research, Biochemistry and appraisal of herbal drugs, Biostatistics and ioinformatics	Nehru Memorial College (Autonomous), Puthanampatti, Trichy.
M.Sc., Zoology	April 2008	First class with Distinction (D+ grade 83.5%)	MAJOR : <i>Zoology</i> , Subjects: Genetics, Immunology, Biostatistics & Bioinformatics, Biophysics, Endocrinology, Biochemistry, rDNA technology EDC : Marketing & Accounting for Executives	Nehru Memorial College (Autonomous), Puthanampatti, Trichy.
B.Sc., Zoology	April 2006	First Class 71.7%	MAJOR : <i>Zoology</i> , ALLIED : Botany & Chemistry	Nehru Memorial College Puthanampatti, Trichy.

### Technical qualification

Degree	Year of Pass	Percentage of Mark & Class	Special subjects	Institution/ University
PGDCA	April 2008	First Class 72.8%	Principles of Internet & Web design, Programming in 'C', OOP using Java and Web Graphics	Nehru Memorial College (Autonomous), Puthanampatti, Trichy.

SET	July 2018	44% (132/300)	Life Science	Mother Teresa Womens University, Kodaikanal.
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### **Awards and Fellowships:**

#### **National-Post Doctoral Fellowship**

**Awarded National-Post Doctoral Fellowship by Department of Science and Technology, Science and Engineering Research Board, New Delhi from May 2017 to April 2019 (2 years).**

#### **Young Scientist Award**

**Awarded Har Gobind Khorana Memorial Young Scientist Award (2016-2017) by Bose Science Society, Pudukkottai.**

#### **NTS Doctoral Fellowship**

Awarded NTS - Ph.D fellowship-2010 by **National Testing Service – India**, [Central Institute of Indian Languages (CIIL), Mysore] from May, 2010 to April, 2013 (3 years).  
AMOUNT: Rs. 10,000/month; Contingency: Rs. 20,000/annum

#### **NTS Doctoral Fellowship extension**

Awarded **National Testing Service – India**, [National Testing Service - India, Central Institute of Indian Languages (CIIL), Mysore] from May, 2013 to February, 2014 (10 months).  
AMOUNT: Rs.10, 000/month; Contingency: Rs. 20,000/annum

#### **Annual Study Scholarship for pursuing M. Sc., degree**

Awarded “**Annual Study Scholarship**” offered by Harris & Menuk organization’s academic welfare scheme for the year 2007-08.  
AMOUNT: Rs. 6,500/annum.

#### **Teaching experience:**

- Worked as full time Assistant Professor in Zoology from 17.6.2019 to till date at Holy Cross College (Autonomous), Trichy – 621 002, Tiruchirappalli.
- Worked as full time Assistant Professor in Zoology from 26.6.2015 to 30.4.2017 at Holy Cross College (Autonomous), Trichy – 621 002, Tiruchirappalli.
- Worked as part time Lecturer in Zoology from 01.04.2010 to 07.04.2011 at Nehru Memorial College (Autonomous), Puthanampatti - 621 007, Tiruchirappalli.
- Worked as full time Lecturer in Zoology from 23.07.2009 to 31.03.2010 at Nehru Memorial College (Autonomous), Puthanampatti - 621 007, Tiruchirappalli.

**Research paper publication: (ORCID ID: 0000-0001-9188-8188)**

**Published in Reputed Journals**

1. **Elavarasi, S.**, Horne Iona Averal and Cybil Ignatius. September, 2019. LC-MS analysis of biologically active extracts from Polyherbal formulation to treat psoriasis. *International Journal of Pharmaceutical Science and Research*, 10(9) (IF: 1.83) ISSN: 0975-8232 (UGC approved; Inclusion in Web of Science).
2. Revathi, G., **Elavarasi, S** and Horne Iona Averal. May, 2019. Innovative methods of Teaching and Learning for Education. *International Journal of Emerging Technologies and Innovative Research*, 6(5): 159-163. (IF: 5.87) ISSN: 2349-5162. <http://www.jetir.org/papers/JETIR1905L23.pdf> (UGC approved)
3. **Elavarasi, S** and Horne Iona Averal. May, 2019. Science Education and its need of Computer Technology. *International Journal of Emerging Technologies and Innovative Research*, 6(5): 153-158. (IF: 5.87) ISSN: 2349-5162. <http://www.jetir.org/papers/JETIR1905L22.pdf> (UGC approved)
4. **Elavarasi, S.**, Horne Iona Averal and Cybil Ignatius. February, 2019. Preliminary phytochemical screening and toxicity evaluation of different extracts of *Terminalia bellerica*. *European Journal of Biomedical and Pharmaceutical Sciences*, 6(3): 350 – 358. (IF: 4.918) ISSN: 2349-8870.  
[https://www.ejbps.com/ejbps/abstract\\_id/5554](https://www.ejbps.com/ejbps/abstract_id/5554) (UGC approved).
5. Revathi, G., **Elavarasi, S** and K. Saravanan. June, 2018. Phytochemical screening and GC-MS analysis of ethanol extract of Polyherbal drug. *International Journal of Scientific and Engineering Research*, 9(6): 8 – 12. ISSN: 2229-5518. (UGC approved).
6. Revathi, G., **Elavarasi, S** and K. Saravanan. June, 2018. Phytochemical screening, GC-MS analysis and toxicity evaluation of Polyherbal drug. *International Journal of Scientific and Engineering Research*, 9(6): 37-45. ISSN: 2229-5518. (UGC approved)
7. **Elavarasi, S.**, Horne Iona Averal., Nevika, E., Kanimozhi, P., Malini, R and Arokiya Jenifer, A. June, 2018. Phytochemical screening and acute toxicity evaluation of *Smilax china* on albino rats. *European Journal of Biomedical and Pharmaceutical Sciences*, 5(7): 369-377. SJIF: 4.918. ISSN: 2349-8870. (UGC approved)
8. Revathi, G., **Elavarasi, S** and K. Saravanan. June, 2018. Chronic toxicity study of Polyherbal extract on albino rats. *International Journal of Current Advanced Research*,

- 7(6(B)): 13226 – 13230. ISSN: 2319-6475. IF: 6.614. DOI: <http://dx.doi.org/10.24327/ijcar.2018.13230.2348>.
9. Revathi, G., **Elavarasi, S** and K. Saravanan. May, 2018. Phytochemical screening and GC-MS analysis of Polyherbal formulation for diabetes. *International Journal of Advanced Research*, 6 (5): 1439 – 1443. ISSN: 2320 – 5407. **DOI:** <http://dx.doi.org/10.21474/IJAR01/7176>.
  10. **Elavarasi, S.**, Horne Iona Averal., Nevika, E., Kanimozhi, P., Karnika, K., Margrate, J and R. Palaniyammal. May, 2018. Phytochemistry and toxicity evaluation of different extracts of *Embllica officinalis* on Albino rats. *International Journal of Emerging Technologies and Innovative Research*, 5 (5): 1463 – 1470. ISSN-2349-5162. IF: 5.87.
  11. Revathi, G., **Elavarasi, S** and Saravanan, K. May, 2018. Antiulcer activity of *Daucus carota* (Carrot) and *Raphanus sativus* (Radish) on alcohol induced ulcer in albino rat models. *International Journal of Emerging Technologies and Innovative Research*, 5(5): 976-980. ISSN-2349-5162. IF: 5.87
  12. **Elavarasi, S.**, Horne Iona Averal, Nevika, E and P. Kanimozhi. April, 2018. Evaluation of toxic effect of *Terminalia chebula* fruit extract in albino rats. *International Journal of Pharmaceutical Science Invention*, 7 (4): 28-36. ISSN: 2319 – 6718. IF: 4.26.
  13. **Elavarasi, S.**, Horne Iona Averal, P. Kanimozhi and E. Nevika. April, 2018. Acute toxicity evaluation of *Ficus religiosa* bark extract on albino rats. *International Journal of Creative Research Thoughts*, 6(2): 11-20. ISSN: 2320-2882. IF: 5.97.
  14. **Elavarasi, S.**, Horne Iona Averal., Hemasri, D., Rajeswari, M., Gunavathi, G and M. Moganajothi. January, 2018. Study of vegetation and their medicinal properties inside the Holy Cross College campus, Tiruchirappalli District, Tamilnadu, India. *World Journal of Pharmaceutical Research*, 7(1):927-948. ISSN-2277-7105; IF: 7.523. **DOI** : 10.20959/wjpr20181-10523
  15. **Elavarasi, S.**, Nancy Mary, A and Horne Iona Averal. December, 2017. Isolation and passaging for rapid culture and expansion of multipotent mesenchymal cells from amniotic membrane: A high throughput source in cell therapy. *Indian Journal of Natural Sciences*, 8(45): 12989 – 12993 ISSN-0976-0997; IF: 1.233.

16. **Elavarasi, S.**, Revathi, G., Saravanan, K., Horne Iona Averal and Pushparani, A. December, 2017. Biosorption of mercury using a few agricultural waste. *International Journal of Current Research*, 9(12): 62119 – 62122. ISSN: 0975-83x; IF: 7.617.
17. **Elavarasi, S.**, Anisha Marina, A and Horne Iona Averal. December, 2017. Anti-ulcer activity of ethanolic extract of stem bark of *Ficus religiosa* in Wistar albino male rats: Histological, Biochemical and sperm abnormality pertaining to the disease. *European Journal of Biomedical and Pharmaceutical Sciences*. 4(12): 458 – 461. ISSN: 2349-8870; IF: 4.382.
18. Elavarasi, S., Revathi, G., Saravanan, K., Horne Iona Averal and R. Rekha. November, 2017. Biosorption of Cadmium using a few agricultural waste. *International Journal of Innovative Research and Advanced Studies*, 4(11): 123 – 126. ISSN: 2394-4404.
19. Revathi, G., Elavarasi, S and K. Saravanan. September, 2017. Protective Effect of *Daucus carota* (Carrot) and *Raphanus sativus* (Radish) on Aspirin Induced Gastric Ulcer in Albino Rat Models. *International Journal for Science and Advance Research in Technology*, 3(9):348-353. ISSN: 2395-1052; IF: 5.388.
20. Revathi, G., Sobana, N and S. Elavarasi. September, 2017. Un Treated Waste water used for Radish Cultivation in Nehru Memorial College Campus, Puthanampatti, Tiruchirappalli, Tamilnadu. *International Journal for Science and Advance Research in Technology*, 3(9):330-334. ISSN: 2395-1052; IF: 5.388.
21. Saravanan, K., Jayabal, P., Elavarasi, S., Santhi, M. P and Palanivel, K. November, 2016. Anticancer activity of *Biophytum sensitivum* in breast cancer MCF-7 cell line. *Journal of Cell and Tissue Research*, 16(1): 5387-5391. ISSN: 0973-0028; IF: 4.04.
22. Renuka, C., Elavarasi, S., Saravanan, K and Revathi, G. October, 2015. Antihyperlipidemic activity of *Biophytum sensitivum* extracts in streptozotocin (STZ) induced diabetic albino rats. *International Journal of Pharma and Biosciences*, 6(4): (P) 128-135. ISSN: 0975-6299; IF: 7.617.
23. Revathi, G., Elavarasi, S and Saravanan, K. October, 2015. Evaluation of toxic effect of traditionally used antidiabetic polyherbal formulation on albino rat. *International Journal of Pharma and Bio Sciences*, 6(4): (B) 181 – 187. ISSN: 0975-6299; SJIF: 7.165.

### **Book Chapters Published**

Revathi, G., Elavarasi, S., Saravanan, K and Bir Bahadur. 2018. Traditional use of herbal plants for the treatment of diabetes in India. In: Ethnobotany of India (Volume 3) (Eds. Pullaiah, T., Krishnamoorthy, K.V and Bir Bahadur). Apple academic Press, USA. pp 317-352.

### **Conference/Seminar/Workshop/ Training Programme attended - Academic & General:**

<b>S. No.</b>	<b>Theme</b>	<b>Place</b>	<b>International /National / State level</b>	<b>Year</b>	<b>Resource Person / Paper Presentation / Participation</b>
1.	“Goodness of God and Nature”	Holy Cross College (Autonomous), Tiruchirappalli,	State Level Inter-Collegiate Competition and Seminar	6 <sup>th</sup> January, 2018.	Attended
2.	“Networking, Research and Innovation in Higher Education for a Sustainable Society: Challenges and Channels”	Holy Cross College (Autonomous), Tiruchirappalli	International Conference	25 <sup>th</sup> July 2018 to 27 <sup>th</sup> July 2018.	Paper Presented
3.	“Innovations and Challenges in Biomedical Sciences Research”	PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College (Autonomous), Tiruchirappalli - 2.	International Conference	December 12 to 14, 2017	Attended
4.	Qiagen – Real Time PCR	Holy Cross College (Autonomous),	Hands on Training	25 <sup>th</sup> November, 2017.	Attended

		Tiruchirappalli			
5.	“Enhancing Entrepreneurship and innovation in Biotechnology for sustainable development”	HH The Rajah’s College, Pudukkottai	National Conference	28.07.2017 and 29.07.2017	Paper Presented
6.	“Current Challenges in Conservation of Biodiversity [In4CB-2017]”	A.V.C. College (Autonomous) Mannampandal, Mayiladuthurai	International Conference	16 <sup>th</sup> to 18 <sup>th</sup> February 2017	Paper Presented
7.	"Effective Strategies in Research Project Proposal Writing and Linking Funding Agencies	Loyola College, Chennai	National Level Workshop	October 23 and 24, 2017	Attended
8.	Conventional and Modern Taxonomical tools in Faunal Identification” held at on	PG and Research Department of Zoology, Lady Doak College (Autonomous), Madurai	National level Workshop	4 <sup>th</sup> and 5 <sup>th</sup> October, 2017.	Attended
9.	India International Science Festival	Anna University Chennai.	International	13 <sup>th</sup> to 16 <sup>th</sup> October, 2017 at	Attended
10.	Thrust Areas in Biological Sciences	Department of Zoology, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli.	Science Academies lecture workshop	9th to 10th February, 2017	Attended
11.	Natural Sciences	PG and Research Department of Zoology, Holy Cross College	National Conference	19 <sup>th</sup> January, 2016	Attended

		(Autonomous), Tiruchirappalli			
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**Membership in professional bodies /journals, editors, consultancy, resource person:**

1. Life Member of Bose Science Society, Pudukkottai.
2. Life Member of VIBHA, New Delhi.
3. Reviewer in Premier Publishers.
4. Reviewer in the International Journal of Pharma and Bio Sciences.
5. Reviewer in the International Journal of Life Science and Pharma Research.

**Laboratory Skills:**

Animal handling (Rat)  
 Cell culture techniques  
 Microbial culture techniques  
 Quantitative and Qualitative biochemical analysis  
 Centrifugation techniques  
 Electrophoresis  
 Spectroscopic techniques  
 Microtechniques

**Computer Skills:**

Chem draw, MS office, Statistical tools - SPSS

**Other position held:**

Worked as a Proctor in Sir C. V. Raman hostel, Nehru Memorial College (Autonomous), Puthanampatti, Trichy from August, 2009 to April 2014 (5 years 8 months).

**DECLARATION**

I hereby declare that all the information furnished above is true to the best of my knowledge.

(S. ELAVARASI)