

PROFILE

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EDUCATIONAL QUALIFICATION

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> (Holtum) 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 Bioinformatics	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.

POST DOCTORAL RESEARCH

Position	Awarded year	Funding agency	Specialization	Institution
N-PDF	2017	DST - SERB	Anti-psoriatic activity of the polyherbal formulation	Holy Cross College (Autonomous), Tiruchirappalli.

TECHNICAL QUALIFICATION

Degree	Year of Pass	Percentage of Mark & Class	Special subjects	Institution/ University
SET	July 2018	44% (132/300)	Life Science	Mother Teresa Womens University, Kodaikanal.
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.

AWARDS AND FELLOWSHIPS

i. Best Editor Award:

Award of honor for the Editorial Member in the **International Journal of Pharma and Biosciences** indexed in Web of Science.

ii. 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)**. **Total Grant = Rs. 18,70,000/-**

iii. Young Scientist Award

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

iv. NTS Doctoral Fellowship

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

Award extended for one more year from May, 2013 to February, 2014 (10 months).

AMOUNT: Rs.10, 000/month; Contingency: Rs. 20,000/annum.

Total amount: 5,40,000/-

v. 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.

Total amount: Rs. 6,500/annum.

v. Best Oral Presentation Awards

- **Won the Best paper award** for the paper presented in National Conference on “Evolutionary Trends in Biological and Pharmaceutical Chemistry” entitled on “Curative effect of Carrot (*Daucus carota*) and Radish (*Raphanus sativus*) on alcoholic induced gastric ulcer in albino rat models” held on 30th January, 2014 to 31st January, 2014 at Holy Cross College, Trichy.
- **Won First prize for the best presentation** of the paper in the “State level Seminar on Microbial Biotechnology” entitled on “Evaluation of the hypoglycemic and hypolipidemic activity of *Emblica officinalis* (Amla) seed powder on alloxan induced diabetic albino rats” organized by the Department of Zoology, M. V. Muthiah Govt. Arts college for Women, Dindigul.

vi. Rank secured

- Secured 20th rank in B.Sc., Zoology at University level (Bharathidasan University, Trichy).
- Secured 2rd rank in M.Sc., Zoology at College level.

DISSERTATION AND THESIS SUBMITTED

Ph.D., Thesis: Evaluation of antidiabetic potential of traditionally used medicinal plants, *Cyathea nilgiriensis* (Holttum) and *Pterocarpus marsupium* Roxb. in STZ induced diabetic rat model.

M.Phil., Thesis: Immunostimulatory effect of lemon epicarp extract on tilapia fish (*Oreochromis mossambicus*).

M.Sc., Dissertation: Biosorption of Cr (VI) using different types of husks (*Oryza sativa*, *Pennisetum typhoides* and *Vigna mungo*).

PROJECT GUIDED

Guided 8 M.Sc., students' and 24 B.Sc., students' project in various fields

- Biosorption of Cd and Hg using a few agricultural wastes.
- Environmental Audit
- Vegetational survey inside the campus
- Conversion of fish waste into fertilizer for gardening
- Absorption of fluoride in water using egg shells.

TEACHING EXPERIENCE

- Worked as full time Assistant Professor in Zoology from 26.6.2019 to till date at Holy Cross College (Autonomous), Tiruchirappalli – 621 002.
- Worked as full time Assistant Professor in Zoology from 26.6.2015 to 30.4.2017 at Holy Cross College (Autonomous), Tiruchirappalli – 621 002.
- 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 PUBLICATIONS

Citation index: 185 **h index:** 05 **i₁₀ index:** 04
ORCID ID: 0000-0001-9188-8188 **SCOPUS ID:** 49361485400

Published in Reputed Journals (Total no. of Publication: 31)

1. Saravanan K, Elavarasi S, Revathi G, Karuppanan P, Ashokkumar M, Muthusamy C and A. Ram Kumar. September Targeting SARS-CoV2 spike glycoprotein: molecular insights into phytocompounds binding interactions – *in-silico* molecular docking, Journal of Biomaterials Science, Polymer Edition, DOI: 10.1080/09205063.2024.2399395, 2024.
2. Revathi G, Elavarasi S, Saravanan K, Ashokkumar M, Egbuna C. June, 2023. Greater efficiency of polyherbal drug encapsulated biosynthesized chitosan nano-biopolymer on diabetes and its complications. International Journal of Biological Macromolecules; 240:124445. doi: 10.1016/j.ijbiomac.2023.124445. Epub 2023 Apr 14. PMID: 37060982. (ELSEVIER)
3. Revathi, G., Elavarasi, S and Saravanan. K. December, 2022. Antidiabetic, Hepatoprotective and Antihyperlipidemic effect of polyherbal drug in streptozotocin induced hyperglycemic rats. Indian Journal of Natural Sciences, 13(75): 51323-51336. ISSN: 0976 – 0997. (UGC approved; Scopus)
4. Revathi, G., Elavarasi, S and Saravanan. K. October, 2022. Hypoglycemic and Antioxidant Activity of Traditionally used Polyherbal Drug to Treat Diabetes in Kolli Hills. Indian Journal of Natural Sciences, 13(74): 48346-48355. ISSN: 0976 – 0997. (UGC approved; Scopus)
5. Roshan Safeeha, A., Horne Iona Averal and S. Elavarasi. July, 2022. Antibacterial activity of synthesized silver nanoparticle from polyherbal extract against human pathogens. *Trends in Sciences*, 19(13), 4643. <https://doi.org/10.48048/tis.2022.4643> ISSN 2774-0226 (Online) (Scopus) E-ISSN: 2774-0226
6. Elavarasi, S., Revathi, G., Saravanan. K and Horne Iona Averal. April, 2021. Antidiabetic effect of mixture of *Cyathea nilgiriensis* (Holttum) and *Pterocarpus marsupium* Roxb. in streptozotocin induced diabetic rat model. International Journal of Pharmaceutical Science and Research, 12(4): 2147 – 2157. DOI: 10.13040/IJPSR.0975-

8232. (UGC approved; UGC care list – II; Scopus; Web of Science). E-ISSN: 0975-8232; P-ISSN: 2320-5148.

7. **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; UGC care list – II; Scopus; Web of Science). DOI: **10.13040/IJPSR.0975-8232.10(9).4330-38**.
8. Revathi, G., **Elavarasi, S** and Saravanan. K. 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).
9. **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)
10. **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 (UGC approved).
11. 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). <https://www.ijser.org/onlineResearchPaperViewer.aspx?Phytochemical-screening-and-GC-MS-analysis-of-ethanol-extract-of-polyherbal-drug.pdf>
12. 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) <https://www.ijser.org/researchpaper/Phytochemical-Screening-GC-MS-Analysis-and-Toxicity-Evaluation-of-Polyherbal-Drug.pdf>
13. **Elavarasi, S.**, Horne Iona Averal., Nevika, E., Kanimozhi, P., Malini, R and Arokiya Jenifer, A. June, 2018. Phytochemistry and toxicity evaluation of different extracts 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) https://www.ejbps.com/ejbps/abstract_id/4742
14. 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>.
15. 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>.
16. **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.
17. 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
18. **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.
 19. **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.
 20. **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
 21. **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.
 22. **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.
 23. **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.
 24. **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.
 25. 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.
 26. 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.
 27. 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.
 28. 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. **(UGC care list – II; Web of Science)**
 29. 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. **(UGC care list – II; Scopus)**
 30. **Elavarasi, S.**, Saravanan, K and Renuka, C. July-September, 2013. A systematic review on medicinal plants used to treat diabetes mellitus. *International Journal of*

Pharmaceutical, Chemical and Biological Sciences, 3(3): 983 – 992. ISSN: 2249-9504; IF: 0.478.

31. **Elavarasi, S** and Saravanan, K. Jan-Mar, 2012. Ethnobotanical study of plants used to treat diabetes by tribal people of Kolli Hills, Namakkal district, Tamilnadu, Southern India. *International Journal of PharmTech Research*, 4(1): 404-411. ISSN: 0974-4304; IF: 0.47
32. **Elavarasi, S.**, Ramesh, N and Saravanan, K. Jan-Mar, 2012. Biosorption of Cr (VI) using different types of husks (*Oryza sativa*, *Pennisetum typhoides* and *Vigna mungo*). *Journal of Scientific Transactions in Environment and Technovation*, 5(3): 126 – 129. ISSN: 2393-9249.

Published in Proceedings: (Total no. of Publications: 08)

1. Hemapriya, K., Revathi, G., Saravanan, K and **S. Elavarasi**. March, 2024. The menace of child marriage and teenage pregnancies: a global challenge. In Rajakumari, P. Horne Iona Averal., Ritha, W., Senthamil Selvi, A., Darsana, S.B and Sasikala, G (Eds.). Proceedings of the National Conference on “*The Evolving Landscape: Exploring Possibilities and Challenges for the Girl Child in a Dynamic World*” (24th January 2024). (pp: 264-270) ISBN: 978-81-965870-30-1.
2. Priyanka, M. K., Akshaya, P., **Elavarasi, S.**, Horne Iona Averal., Revathi, G and K. Saravanan. March, 2024. Access to Scientific information on growing up and menstrual hygiene for girls: A Comprehensive Review. In Rajakumari, P. Horne Iona Averal., Ritha, W., Senthamil Selvi, A., Darsana, S.B and Sasikala, G (Eds.). Proceedings of the National Conference on “*The Evolving Landscape: Exploring Possibilities and Challenges for the Girl Child in a Dynamic World*” (24th January 2024). (pp: 420-424) ISBN: 978-81-965870-30-1.
3. Santhana Monica, S., Harini, S., **Elavarasi, S.**, Horne Iona Averal., Revathi, G and K. Saravanan. March, 2024. Girl child in the digital world: Trends and Consequences. In Rajakumari, P. Horne Iona Averal., Ritha, W., Senthamil Selvi, A., Darsana, S.B and Sasikala, G (Eds.). Proceedings of the National Conference on “*The Evolving Landscape: Exploring Possibilities and Challenges for the Girl Child in a Dynamic World*” (24th January 2024). (pp: 425-428) ISBN: 978-81-965870-30-1.
4. Mehaladevi, R., **Elavarasi, S** and Horne Iona Averal. March, 2024. Digital initiatives for promoting girls education in India – A Review. In Rajakumari, P. Horne Iona Averal., Ritha, W., Senthamil Selvi, A., Darsana, S.B and Sasikala, G (Eds.). Proceedings of the National Conference on “*The Evolving Landscape: Exploring Possibilities and Challenges for the Girl Child in a Dynamic World*” (24th January 2024). (pp: 515-521) ISBN: 978-81-965870-30-1.
5. Jify, K. V., Saravanan, K and **S. Elavarasi**. March, 2024. Exploring the scientific dimensions: The impact of mobile phone usage on school girl students. In Rajakumari, P. Horne Iona Averal., Ritha, W., Senthamil Selvi, A., Darsana, S.B and Sasikala, G (Eds.). Proceedings of the National Conference on “*The Evolving Landscape: Exploring Possibilities and Challenges for the Girl Child in a Dynamic World*” (24th January 2024). (pp: 535-542) ISBN: 978-81-965870-30-1.
6. Pavithra, M., **Elavarasi, S** and Horne Iona Averal. March, 2024. Issues and Challenges in the participation of girl students in sports in India: A Comprehensive Review. In Rajakumari, P. Horne Iona Averal., Ritha, W., Senthamil Selvi, A., Darsana, S.B and Sasikala, G (Eds.). Proceedings of the National Conference on “*The Evolving*

Landscape: Exploring Possibilities and Challenges for the Girl Child in a Dynamic World” (24th January 2024). (pp: 543-549) ISBN: 978-81-965870-30-1.

7. Abinaya, P., Renuka, C., Saravanan, K and **Elavarasi, S.** 2015. Studies on the effect of horse dung in the waste water treatment. ***Proceedings of International Conference on Climate change & the Developing World.*** Edited by Mini Chacko, Elizabeth Cherian, Vijo Thomas Kurien and Rogimon P. Thomas, CMS College, Kottayam Kerela, held on 21st Jan 2015 to 25th Jan 2015.
8. Revathi, G., **Elavarasi, S.**, Saravanan, K and Renuka, C. 2015. Toxic effect of traditionally used antidiabetic polyherbal formulation in albino rats. ***Proceedings of Two day National Conference on “Recent developments in Synthetic & Materials Chemistry”*** held on 16th & 17th January 2015, Organized by Department of Chemistry, N.E.S. Ratnam College of Arts, Science & Commerce, Mumbai.

Book Chapters Published (Total no. of Publications: 08)

1. Revathi, G and **Elavarasi. S.** 2022. Natural herbal plants as promising leads against Covid-19. COVID-19: Impact on Health, Economy and Society. Editors: Prasant Kumar Panda, Srinivasan Padmanaban, Chittaranjan Subudhi, Dickson Adom. Neelkamal Publications Pvt. Ltd. Hyderabad. ISBN: 978-93-90897-38-4.
2. Revathi, G and **Elavarasi. S.** 2021. Environmental issues and biodiversity. Environment and Unsustainable Human Life, Volume – IV. Editors: Dr. M.Z.A. Khan, Dr. Sunil Kumar Verma. VL Media Solutions, New Delhi, India. ISBN: 978-93-92308-47-6.
3. Revathi, G., Ramesh, N., **Elavarasi, S.**, Saravanan, K. 2020. Communal Roosting of Birds in Sir C. V. Raman Hostel, Nehru Memorial College, Puthanampatti, Tiruchirappalli. Environmental Ethics & Sustainable Development. Editors: Dr. Sunil Kumar Verma Dr. Munesh Kumar. ISBN: 978-93-87916-86-9. VL Media Solutions, New Delhi, India.
4. **Elavarasi, S.**, Revathi, G., K. Saravanan, and Horne Iona Averal. 2020. Antidiabetic and Antihyperlipidemic activities of *Cyathea nilgiriensis* (Holtum) on STZ induced diabetic rats. In: Drug Development for Cancer and Diabetes - A Path to 2030. Apple Academic Press and CRC Press, USA. pp. 233 – 248.
5. **Elavarasi, S.**, G Revathi and K. Saravanan. 2020. Isolation, identification and molecular docking of antidiabetic compounds of *Cyathea nilgiriensis* (Holtum). **In: Drug Development for Cancer and Diabetes - A Path to 2030.** Apple Academic Press and CRC Press, USA. pp. 293 – 304.

6. Revathi, G., **S. Elavarasi** and K. Saravanan. 2020. Antidiabetic activity of drug loaded chitosan nanoparticle. **In: Drug Development for Cancer and Diabetes - A Path to 2030**. Apple Academic Press and CRC Press, USA. pp. 249 – 262.
7. 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 and CRC Press, USA. pp 317-352.
8. Santhi, G., Saravanan, K., **Elavarasi, S** and Renuka, C. 2013. **Avian diversity in the Agro-ecosystem of Puthanampatti village, Tiruchirappalli District, Tamilnadu, India**. Edited volume on “**Biodiversity: Issues, Impacts, Remediation and Significances**” edited by V. I. Paul., VL Media solutions, India. Pp. 248 – 264.

Books Published

1. A Practical Manual of Zoology: Chordata, Cell and Molecular Biology. Raja press, Trichy.
2. A Text Book of Practical Zoology For Undergraduates-2021. Published by Publication Division, Holy Cross college(Autonomous), Tiruchirappalli-2 ISBN No.978-81-953014-2-3

Book Edited

1. Saravanan, K., Chukwuebuka Egbuna., Horne Iona Averal., Kannan, S., **Elavarasi, S** and Bir Bahadur. 2020. **Drug Development for Cancer and Diabetes - A Path to 2030**. Apple Academic Press, USA.

Research Abstract Published in Journals

1. Revathi, G., **Elavarasi, S** and Saravanan, K. 2014. Curative effect of *Daucus carota* (carrot) and *Raphanus sativus* (radish) on alcohol induced gastric ulcer in albino rat models. **International Journal of Research and Development in Pharmacy & Life Sciences**. (National Conference on “Evolutionary trends in Biological and Pharmaceutical Chemistry, 30th & 31st January 2014), Holy Cross College (Autonomous), Trichy.
2. **Elavarasi, S**, Sivabakiyam, P and Saravanan, K. 2011. Immunostimulatory effect of lemon epicarp and amla powder extract on Tilapia fish (*Oreochromis mossambicus*). **International Journal of Nutrition, Pharmacology and Neurological Diseases**. 1(Supplement – 1) p-S21.

Patents (Published):

1. Title of the invention: Antidiabetic polyherbal drug loaded chitosan nanoparticle and process thereof.
2. Application no.: 202341032840 A
3. Publication date: 23.06.2023
4. Authors: Dr. G. Revathi, Dr. K. Saravanan, Dr. S. Elavarasi and Dr. M. Ashok Kumar

ONE AMONG THE EXPERT COMMITTEE IN THE PREPARATION OF THE TEXT

1. Balakumar, M. 2016. **An introduction to Evaluation Terminology in Tamil (Conceptual Explanation)**. CIIL, Printing Press, Mysuru.

CONFERENCES/SEMINAR/SYMPOSIA/WORKSHOP ATTENDED AND PAPER PRESENTED

S. No.	Conference/Seminar/ Workshop title	National / International / State level	Sponsored by	Paper title	Month and Year	Venue
1.	Online Faculty Development Programme on "CADD & Systems Biology"	-	-	-	18 th to 22 nd December, 2023	PG & Research Department of Biotechnology and Bioinformatics, Holy Cross College (Autonomous), Tiruchirappalli in collaboration with Theevanam Additives & Nutraceuticals Pvt. Ltd., IITM Research Park, Chennai.
2.	One-Week Online National Faculty Development Program on "MOOCs and E-Content Development" (GRADE A)	National	-	-	29 th April to 5 th May 2023	Holy Cross College (Autonomous), Tiruchirappalli and Guru Angad Dev Teaching Learning Centre under PMMMNMTT of Ministry of Education, SGTB Khalsa College, University of Delhi.
3.	A Virtual FDP on "Digital Pedagogies for achieving Sustainable Development Goals in Education"	-	-	-	6 th to 11 th October, 2022	All India Association for Christian Higher Education, New Delhi & Lady Doak College, Madurai
4.	Online Faculty Refresher Program on Teaching Strategies, Methodologies and Technologies in HEI's	National Level	-	-	19 th to 30 th September, 2022	IOT Academy
5.	Online Workshop on Intellectual Property Rights (IPR) & Patent and Design Filing	-	-	-	20 th September 2022	GRABS Educational Charitable Trust and Tamilnadu Association of Intellectuals and Faculty
6.	Online Capacity Building Workshop on "Manuscript Writing and Publishing"	-	-	-	12 th to 16 th September, 2022	Madras Christian College (Autonomous), Chennai.
7.	FDP (Online) on The Nuances of Scientific Writing and Publishing	-	-	-	11 th July to 19 th July 2022	All India Association for Christian Higher Education, India & Madras Christian College (Autonomous), Chennai.
8.	Online NEP-2020: Good Academic Research Practices/Academic Research Integrity	-	-	-	20 th June 2022	UGC-HRDC, Gujarat University, Ahemadabad.
9.	Online NEP-2020: Multidisciplinary	-	-	-	23 rd June 2022	UGC-HRDC, Gujarat University, Ahemadabad.
10.	Online NEP-2020:	-	-	-	24 th June	UGC-HRDC, Gujarat

	Educational Framework for Global citizenship in Higher Education				2022	University, Ahemadabad.
11.	Online NEP-2020: Digital Governance	-	-	-	25 th June 2022	UGC-HRDC, Gujarat University, Ahemadabad.
12.	The Challenges of Higher Education in the 21 st Century	International Colloquium	-	-	27 th Sept, 2019	St. Joseph's College (Autonomous), Tiruchirappalli-2.
13.	Micron Seeds: Indepth Insights	Workshop	-	-	12 th Feb, 2019	PG and Research Dept. of Biotechnology & Bioinformatics, Holy Cross College (Autonomous), Tiruchirappalli-2.
14.	Networking, Research and Innovation in Higher Education for a Sustainable Society: Challenges and Channels	International Conference	-	Science Education and its need of Computer Technology	25 th July 2018 to 27 th July 2018	Holy Cross College (Autonomus), Tiruchirappalli-2.
15.	Molecular Advances in Biomedical Research (ICMABR)-18	International Conference	ICMR	-	9 th & 10 th Feb, 2018	Nehru Memorial College (Autonomo), Puthanampatti.
16.	Goodness of God and Nature	State Level Inter-Collegiate Competition and Seminar	Xavier Board of Higher Education in India	-	6 th Jan, 2018	Holy Cross College (Autonomous), Tiruchirappalli-2.
17.	Innovations and Challenges in Biomedical Sciences Research	International Conference	ICMR	-	12 th to 14 th Dec, 2017	PG and Research Dept. of Biotechnology & Bioinformatics, Holy Cross College (Autonomous), Tiruchirappalli-2.
18.	Qiagen – Real Time PCR	Hands on Training	-	-	25 th Nov, 2017	Holy Cross College (Autonomous), Tiruchirappalli-2.
19.	"Effective Strategies in Research Project Proposal Writing and Linking Funding Agencies	National Level Advanced Workshop	-	-	23 rd & 24 th Oct, 2017	Loyola College, Chennai.
20.	Conventional and Modern Taxonomical tools in Faunal Identification	National level Workshop	TNSCST	-	4 th and 5 th Oct, 2017	PG and Research Department of Zoology, Lady Doak College (Autonomous), Madurai
21.	India International Science Festival	International	-	-	13 th to 16 th Oct, 2017	Anna University, Chennai
22.	Enhancing Entrepreneurship and innovation in Biotechnology for sustainable development	National Conference	-	Isolation and passaging for rapid culture and expansion of multipotent mesenchymal cells from amniotic membrane: A high throughput source in cell therapy	28 th & 29 th July, 2017	TNSRO, Pudukkottai at Dept. of Botany, HH The Rajah's College, Pudukkottai
23.	Current Challenges in Conservation of Biodiversity [In4CB-2017]	International Conference	SERB & National Biodiversity Authority, India	-	16 th to 18 th Feb, 2017	PG & Research Dept. of Zoology & wild life biology. A.V.C. College (Auto), Mannampandal, Mayiladuthurai
24.	Science Academies lecture workshop on Thrust Areas in Biological Sciences	Two day Workshop	-	-	9 th to 10 th Feb, 2017	Research Dept. of Zoology, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli.
25.	Conservation of Natural Resources	International Conference	-	-	17 th Sep, 2016	PG & Research Dept. of Zoology, Nehru Memorial College (Autonomo), Puthanampatti.
26.	CSIR NET coaching classes for Life Sciences	-	-	-	15 th August to 13 th Dec, 2015	St. Joseph's College (Autonomous), Tiruchirappalli
27.	Pathanjali Book of World Records	Chin Mudra pattern	-	-	21 st June, 2016	Holy Cross College (Autonomous),

						Tiruchirappalli
28.	Natural Sciences	5 th National Conference	-	-	19 th January, 2016	PG & Research Dept. of Zoology, Holy Cross College (Autonomous), Tiruchirappalli
29.	Climate change and the Developing World	International Conference	UGC (Co-Sponsored-KSBB &KSCSTE)	Studies on the effect of horse dung in the waste water treatment	21 st Jan 2015 to 25 th Jan 2015	CMS College, Kottayam, Kerala
30.	Physiology and Medicine - 2014	International Conference	-	GC-MS analysis of some bioactive constituents from <i>Cyathea nilgiriensis</i>	15 th to 17 th Oct, 2014	Department of Zoology, Periyar University, Salem
31.	Innovations, Implementations and Controversies of Animal Biotechnology (NCIICAB-2014)	National Conference	-	Antidiabetic activity of <i>Biophytum sensitivum</i> extract on STZ induced albino diabetic rat model	20 th & 21 st March 2014	Dept. of Animal Science, Bharathidasan University, Tiruchirappalli
32.	Recent Trends in Endocrinology (Attended and presented a paper)	National Seminar	-	-	24 th & 25 th Feb, 2014	Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai, Tamilnadu
33.	Evolutionary trends in Biological and Pharmaceutical Chemistry	National Conference	DBT	Curative effect of <i>Daucus carota</i> (carrot) & <i>Raphanus sativus</i> (radish) on alcohol induced gastric ulcer in albino rat models	30 th & 31 st Jan 2014	PG & Research Dept. of Chemistry, Holy Cross College (Auto), Trichy.
34.	Recent Trends in Biomedical Sciences	International Conference	UGC and DBT	-	07 th Jan, 2014 to 09 th Jan, 2014	PG & Research Dept. of Zoology, Biotechnology & Bioinformatics, Holy Cross College, Trichy
35.	Latex	Two day Workshop	-	-	11 th and 12 th Nov, 2013	ABEL Interdisciplinary Research Cell, Dept. of Mathematics, Nehru Memorial College (Auto), Puthanampatti.
36.	Frontiers in Biotechnology	National Seminar	CSIR	-	8 th & 9 th August, 2013	PG & Research Department of Biotechnology, Nehru Memorial College (Auto), Puthanampatti.
37.	Biotechnology, Bioinformatics and Bioengineering	First International and Third National Conference	-	Dietary agents in prevention and treatment for peptic ulcer	28 th & 29 th June, 2013	Hotel Udayee International, Tirupati, Andhra Pradesh, South India
38.	Recent trends in Biological Sciences	National Seminar	-	Kitchen remedy for diabetes mellitus	7 th & 8 th March 2013	PG & Research Dept. of Zoology, Nehru Memorial College (Auto), Puthanampatti, Tiruchirappalli.
39.	Microbial Biotechnology	State level Seminar	-	Evaluation of the hypoglycemic & hypolipidemic activity of <i>Emblica officinalis</i> (Amla) seed powder on alloxan induced diabetic albino rats	20 th Feb, 2013	Department of Zoology, M. V. Muthiah Govt. Arts College for Women, Dindigul.
40.	Application of Statistical Tools in Biological Research Emendation	National workshop	MoES	-	4 th to 6 th Jan, 2013	Dept. of Zoology, Annamalai University, Chidambaram
41.	Current perspectives in Biological Sciences (NSOCPIBS-2012)	National Seminar	UGC	Evaluation of the hypoglycemic and hypolipidemic activity of	11 th and 12 th October, 2012	PG & Research Department of Zoology, Rajah Serfoji Govt. College (Autonomous), Thanjavur

				<i>Emblica officinalis</i> (Amla) seed powder on alloxan-induced diabetic albino rats		
42.	Animal Transmitted diseases in tropics	National Seminar	TNSCST, Chennai.	Solutions for community dog nuisances	26 th & 27 th September 2012	PG & Research Department of Zoology, Rajah Serfoji Govt. College (Autonomous), Thanjavur.
43.	National Workshop for Research Scholars	National Workshop	UGC	-	19 th July 2012 to 20 th July 2012	UGC Academic Staff College, Pondicherry University, Puducherry.
44.	Molecular Informatics and Drug Designing	National Seminar cum Workshop	UGC and TNSCST	-	19 th to 21 st March, 2012	Department of Zoology and Microbiology, Thiagarajar College (Autonomous), Madurai.
45.	Frontiers in Pharmaceutical Research and Nanotechnology (Nanopharma – 2012)	2 nd International Symposium	-	-	28 th & 29 th Feb, 2012	Clinfocus Research Pvt. Ltd, India & Mohamed Sathak A. J. College of Pharmacy, Chennai, India.
46.	Testing and Evaluation	National workshop	-	-	1 st Jan, 2012 to 31 st Jan 2012	National Testing Service, CHIL, Mysore.
47.	Good Laboratory Practices	State level workshop	TNSCST Govt. of Tamilnadu	-	14 th Oct, 2011	PG & Research Dept. of Zoology, Lady Doak College, Madurai.
48.	Systems Biology	National Workshop	-	-	17 th to 19 th Aug, 2011	DBT-BIF Centre, Holy Cross College (Auto), Trichy.
49.	Future Prospective of Natural Products and Food as Medicine	National Level Seminar	CSIR and ICMR, New Delhi	Immunostimulatory effect of lemon epicarp & amla powder extract on Tilapia fish (<i>Oreochromis mossambicus</i>)	1 st to 2 nd April 2011	PG & Research Dept. of Zoology, Rajah Serfoji College, Thanjavur
50.	Advances in Environmental Research: an interdisciplinary Approach” (AERIA’2011)	National conference	UGC	Immunostimulatory effect of lemon epicarp extract on Tilapia fish (<i>Oreochromis mossambicus</i>)	11 th & 12 th March 2011	Department of Zoology, Annamalai University, Chidambaram.
51.	Career Guidance and Counselling	Two days Workshop	UGC – XI Plan Merged Scheme	-	23 rd to 24 th Oct, 2010	Nehru Memorial College (Auto), Puthanampatti.
52.	Bioinformatics	National Seminar	-	-	23 rd to 24 th Feb, 2009	Department of Bioinformatics, Bharathidasan University, Trichy
53.	Recent trends in chemical signaling	National Seminar	-	-	2 nd Feb, 2009	Centre for Pheromone Technology, Dept. of Animal Science, Bharathidasan University, Trichy
54.	Recent trends in Environmental Biotechnology	State level seminar	-	-	13 th March, 2008	PG & Research Dept. of Zoology, Jamal Mohamed College (Auto), Trichy

Webinar attended

S. No.	Title	National / International / State level	Month and Year	Venue
1.	Webinar on “Addressing Challenges in Higher Education through the OBE mode”		4 th January, 2021	IQAC, Holy Cross College (Autonomous), Tiruchirappalli-2.
	Webinar on “The implications of the NEP 2020 for Higher Education and Role of Teachers”		25 th August, 2020	IQAC, Holy Cross College (Autonomous), Tiruchirappalli-2.
2.	One week Faculty Development Program on “Artificial Intelligence and IoT-Heuristic Transdisciplinary perspectives	International Level	4 th – 10 th July, 2020	CICRSD, Holy Cross College (Autonomous), Tiruchirappalli-2.
3.	Funding opportunities in Biotechnology		27 th June, 2020	Dept. of Biotechnology & Bioinformatics, Holy Cross College

				(Autonomous), Tiruchirappalli-2.
4.	FDP-Online workshop on “Virtual Teaching- A paradigm Shift from offline to online Teaching”		15 th , 17 th and 19 th June, 2020	Dept. of Biotechnology & Bioinformatics, Holy Cross College (Autonomous), Tiruchirappalli-2.
5.	Unlocking Moral Dilemmas in students		13 th June 2020	Holy Cross College (Autonomous), Tiruchirappalli-2.
6.	PANDEMIC-Past, Present and Future with special reference to COVID-19	National Level	9 th June, 2020	TNSCST, Chennai and DST, New Delhi.
7.	Obesity and its role in Breast Cancer		6 th June, 2020	Holy Cross College (Autonomous), Tiruchirappalli-2.
8.	Healthy Microbiome Thwarts Contagion	National Webinar	30 th May, 2020	Holy Cross College (Autonomous), Tiruchirappalli-2.
9.	Virtual Faculty Development Programme on Uncovering PIAZZA for effecting Teaching		27 th May, 2020	Presidency College (Autonomous), Chennai.
10.	NDLI user Awareness Webinar		22 nd May, 2020	Holy Cross College (Autonomous), Tiruchirappalli-2.
11.	Awareness Programme on Biodiversity	National Level	16 th May, 2020	Arulmigu Palaniandavar College of Arts and Culture, Palani.
12.	Positive Living (During Lock-Down and After)		15 th May 2020	Dept. of Chemistry, Dr. MGR Educational and Research Institute, Chennai.
13.	Comprehensive Nutrition to Combat Covid-19		15 th May 2020`	Crescent Innovation and Incubation Council.
14.	Corona 360°		14 th May 2020	Dept. of Biotechnology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi.
15.	Everything Started with Nothing-Make a Start		13 th May, 2020	Holy Cross College (Autonomous), Tiruchirappalli-2.
16.	Corona Crisis: An Ambedkarite Perspective	National	12 th May, 2020	Ambedkar Study Circle (ASC), Shyam Lal College, University of Delhi.
17.	FDP on Evolution of Teaching Learning Process – Post COVID 19		11 th May 2020 to 15 th May 2020	Bharath Institute of Higher Education and Research
18.	A detailed deliberation on Corona		11 th May, 2020	C. Abdul Hakeem College, Melvisharam, Tamilnadu.
19.	How to Create Educational Videos	National	10 th May, 2020	Knowledge Publications and Chemtoons YouTube Channel
20.	Startup Story: GroTron – Artificial Intelligence Precision Agriculture Controller		8 th May, 2020	CIIC, Holy Cross College (Autonomous), Tiruchirappalli-2.
21.	Blue Ocean Strategy for startups to swim across the Covid-19		7 th May 2020	Arab Open university, Oman
22.	Bacterial Virulence: Perceptive and Pragmatic Approach		5 th May, 2020	Dept. of Microbiology, Indian Academy Degree College-Autonomous, Bangalore.
23.	Online Conference on Study on COVID-19		1 st to 15 th May, 2020	Society for Environmental Resources and Biotechnology Development, India and Electrohomeopathy Research Foundation, India.
24.	Education 4.0 – Future of Learning		29 th & 30 th April, 2020	Anand Institute of Higher Technology, Chennai.
25.	Effective Presentation Skills-Using ICT Tools	National Level	26 th April, 2020	Knowledge Publications and Chemtoons YouTube Channel.
26.	Online Workshop on Reference Management tools and online citation database		19 th to 21 st April, 2020	Indian Academic Researchers Association, Tiruchirappalli.
27.	Microbes in our life		16 th to 18 st April, 2020	Sri Kailash Women’s College, Salem.

SEMINAR/ WORKSHOP ORGANIZED

- Organized (Organizing Committee) a National Conference on “Better Environment and Better Future” held on August 2nd 2016 at PG and Research Department of Zoology, Holy Cross College (Autonomous), Trichy.

ONLINE COURSES COMPLETED

1. Remote Sensing Applications in Agricultural Water Management – Conducted by Indian Institute of Remote Sensing, Govt. of India.

ORIENTATION PROGRAMME ATTENDED

- UGC-Sponsored Twelfth Online Faculty Induction Programme from 28.10.2022 to 26.11.2022 conducted by University Grants Commission, Human Resource Development Centre, Bharathidasan University, Tiruchirappalli.
- Participated in an Orientation Programme on “Testing and evaluation” at NTS- India, CIIL, Mysore from 25th November 2013 to 17th December 2013.
- Participated in an Orientation Programme on “Testing and evaluation” at NTS- India, CIIL, Mysore from 26th November 2012 to 2nd January 2013.
- Participated in an Orientation Programme on “Testing and Evaluation” from 7th December 2011 to 22nd February 2012 at National Testing Service, Central Institute of Indian Languages, Mysore.
- Participated in an Orientation Programme on “Testing and Evaluation” from 28th October’10 to 4th December, 2010 at National Testing Service, Central Institute of Indian Languages, Mysore.
- Participated in an Orientation Programme on “Testing and Evaluation” from 24th May 2010 to 26th June 2010 at National Testing Service, Central Institute of Indian Languages, Mysore.

MEMBERSHIP IN PROFESSIONAL BODIES /JOURNALS AND EDITORS

1. Life Member of Bose Science Society, Pudukkottai.
2. Reviewer in Premier Publishers.
3. Reviewer in International Journal of Pharma and Biosciences.
4. 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

EXTRACURRICULAR ACTIVITIES

- Participated and Won second place in the drama **at Sir C. V. Raman hostel for Women, Nehru Memorial College (Autonomous), Puthanampatti, Trichy on March, 2008.**

- Participated in the **College screening eye camp** conducted by Mahatma Eye Hospital, Trichy held on 09.09.2005 at Nehru Memorial College (Autonomous), Puthanampatti, Trichy.
- Participated in “**Youth Red Cross**” from 2005 to 2006 at Nehru Memorial College (Autonomous), Puthanampatti, Trichy.

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)