

Profile



Dr (Mrs). HORNE IONA AVERAL,

M.Sc., M.Phil., M.D.(Acu), FBSS, Ph.D.,

IQAC Coordinator

Associate Professor in Zoology

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1.PROFESSIONAL SUMMARY

Experienced and motivational Zoology Professor with over 25 years of teaching in an array of sciences like Biodiversity, Physiology, Ecology, Genetics, Immunology, Developmental Biology, Biotechnology, Bioinformatics, Molecular Biology, Behavioral Immunology etc. An ambitious, enthusiastic and excellent classroom practitioner who values each student as an individual and always play a full part in their life. Maxine comes to you not only with a strong background in creating engaging lessons that make students think, but also as an expert at setting high expectations for academic performance and behaviour. Possess a variety of competencies that set apart from others, chief amongst these is the ability to fundamentally change the lives of my own students. As a seasoned and accomplished professional can teach Science subjects, life skills preparation and workplace training. Aside from technical competencies, pleasant manner and

excellent communication skills allow to develop the character of young people and prepare them for adult life. On a personal level believes the achievement gap is an injustice, and possesses an unrelenting commitment to closing it. Educator that also performed administrative duties on departmental committees that designed course development in school systems, guidelines and performed faculty and student evaluation

2.QUALIFICATION:

- Research new curriculum and implement new concepts and ideas into the classroom.
- Train new teachers in classroom, conduct and requirements.
- Create course requirements for students to follow.
- Student Management.
- Tutoring Students of Zoology.
- Special Project Creation.
- Evaluating students Work.
- Develop examinations and writing assignments to monitor students progress and understanding of material.
- Relate concepts to current events and situations to help students develop an appreciation for Zoology.
- Collaborate with other Zoology Professors to determine the best curriculum and program for the reputation of the college.
- Oversee college placement testing for the Zoology program.

3.EXPERIENCE

Teaching

- Experience of working with at-risk students.
- Experience of working in culturally diverse setting.
- Create course requirements
- Knowledge of the latest instructional technology.
- Computer literate and proficient in the use of Microsoft Office software.
- Highly organized and able to meet deadlines.

Personal

- Treating all students fairly, consistently and without prejudice.
- Setting a good example to students in terms of appropriate dress, punctuality and attendance.

- Developing age and ability appropriate classroom lessons

Teaching Experience:

Teaching Experience as Zoology Professor at Holy Cross College : 25 Years

Total Teaching Experience : 25 Years

4. EDUCATION

S. No.	Degree / Diploma	Subject / Main	Name of the College / University
1.	U.G.	Zoology	Holy Cross College (Autonomous) Tiruchirappalli -2
2.	P.G.	Zoology	Holy Cross College (Autonomous) Tiruchirappalli -2
3.	M.Phil.	Life Sciences	Bharathidasan University
4.	Ph.D.	Zoology	Bharathidasan University

Technical qualification:

S. No.	Degree / Diploma	Subject / Main	Name of the College / University
1.	M.D.	M.D. in Acupuncture	Institute of Classical Acupuncture

5. SUBJECTS OF EXPERTISE

- Instructional techniques.
- Developing syllabi for Zoology.
- Self-evaluation.
- Student development.
- Skill development
- Complex problem solving.
- Critical thinking.
- Creativity.
- People management.
- CO-ordinating with others.
- Decision making.
- Service orientation and cognitive flexibility.

- Excellent time management skill to deliver projects within deadlines and can quickly adapt to work well in a team.

6.CORE COMPETENCIES

Teaching

- Preparing teaching action plans.
- Ensuring discipline at all times within the classroom.
- Knowledge of the latest teaching methodologies.
- Can quickly establish a rapport with parents, students and colleagues.
- Using the latest technology to support teaching.
- Getting training materials together.
- Using proven and research-based teaching strategies.
- Aptitude to learn current and new teaching software programs.
- Creating learning packages that meet a student's individual needs.
- Efficient work habits.
- Explaining scientific theories clearly.
- Managing time effectively.
- Excellent written and oral communication skills.
- Improving literacy skills in science.
- Building aspirations within students.
- Keeping up to date with the ever changing nature of science.
- Able to develop own course content and instructional methods.
- Explaining things in a way that students will be able to understand.
- Willing to assume responsibility for student achievement.
- Ability to bring teaching to life.
- Supporting a students growth and development.

Personal

- Physically fit and able to remain standing for long periods of time.
- Able to teach students from culturally diverse backgrounds.
- Having a personal culture of reflection.
- Able to network with people both formally and informally.
- Ability to be creative, resourceful, and reflective.
- Always striving for academic excellence.
- Working relentlessly to hit goals and targets.
- Teaching students about life after college.

- Dressing professionally and always being punctual

7. LEADERSHIP PROFILE (VP / Dean/ HOD / Director/ Overall Coordinator etc.)

S. No.	Name of the Position	Period
1.	IQAC Coordinator	2020 onwards
2.	Nodal Coordinator for the ISRO-IIRS Outreach Programme.	2020 onwards
3.	CSIR Mentor for North-Eastern Summer Research Training Programme.	2020 onwards
4.	Director for Crossian Institute for Collaborative Research on Sustainability Development (CICRSD)	2018- 2022
5.	Dean of Science	2017 -2020
6.	Head of the Department	2014 –2018
7.	Vice-Principal	2013- 2016
8.	Overall Rotaract Coordinator	2009
9.	Overall RESCAPES Coordinator	2005- 2007

Offering a wealth of talent in the development and implementation of educational technology tools and applications in the classroom. In – depth knowledge of Zoology, well as Global level. Adapt in creative teaching strategies that fully engage students in the learning process. Deeply invested achieving tenure through administrative service committee contributions and an accomplishment – oriented approach to teaching.

8. KEY ACHIEVEMENTS

Other Honors /Awards/Achievements/ Responsibilities:

1. NAARI SHAKTHI Awards for Women – 2022 “**Best Women Academician award**”
2. **Bharat Gaurav Award -2018**
3. **Winner of Har Gobind Khorana Best Scientist Award 2015**
4. **Fellow of Bose Science Society awarded- 2015**
5. Awarded for the best paper presentation in International Symposium.
6. Awarded for the best paper presentation in National Symposium.
7. Gold Medal for the Best Paper abstract in an International Symposium.,
8. Tutored a number of low intelligent students resulting in a grade jump on average

9. Increased standardized test score for students in Zoology by implementing creative coursework into the curriculum.
10. Ph.D in relevant field of Male Reproductive Toxicity.
11. Commitment to teaching
12. Dedication to student success
13. Student support
14. Course and program development
15. Public speaking
16. Professional conduct
17. Subject expertise
18. Published work
19. Writing skills and proposal.

9. Publications:

Journal / Articles Published: (Citation: 230; h index: 9; i10 index: 9)

1. Cynthia, C. and **Horne Iona Averal**.2020. Antimicrobial and hepatoprotective effect of ISM Drug in alcohol induced liver damage in Zebrafish larvae. *Int.J.Res.Pharm.Sci*.11(3) 3134 –3142 ISSN 0975-7538 **IF: 0.60**
2. Cynthia, C. and **Horne Iona Averal**.2020. Phytochemical Characterization and cytotoxicity analysis of ayurvedic formulation of drug. *Int.J.Res.Pharm.Sci*.11(3) 3164 -3170 ISSN 0975-7538. **IF: 0.60**
3. 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.
4. 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 *Emblca officinalis* on Albino rats. *International Journal of Emerging Technologies and Innovative Research*, 5 (5): 1463 – 1470. ISSN-2349-5162. **IF: 5.87**.
5. 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**.

6. 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.**

7. 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**

8. 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.**

9. Poornima, R and Horne Iona Averal. 2017. In vitro antioxidant and antilipid studies on

ethanolic extract of Pergularia daemia leaves. International Journal for Research in

Applied Science and Engineering Technology, 5(12) ISSN: 2321-9653 ICV: 45.98,

Impact factor: 6.887.

10. Poornima, R and **Horne Iona Averal**. 2017. A herbal approach for treaty polycystic ovary syndrome. In Proceedings of “International Conference on Conservation of Natural Resources” held at Nehru Memorial College (Autonomous), Puthanampatti.

11. Cybil Ignatius and **Dr. Horne Iona Averal** (2018) A Pilot study to assess the potential of Platelet Lysate as an Alternative to Fetal Bovine Serum. EJBPS/4831/4/2017 **SJIF Impact Factor: 4.382 ICV 77.3**

12. Elavarasi, S., **Horne Iona Averal.**, Hemasri, D., Rajeswari, M., Gunavathi, G and M.

Moganajothi. 2017. 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. . **SJIF Impact Factor 7.523.** ISSN 2277–

7105.

13.Elavarasi, S., Nancy Mary, A and **Horne Iona Averal**. 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 **Impact Factor: 0.654**

14.Elavarasi, S., Revathi, G., Saravanan, K., **Horne Iona Averal** and Pushparani, A. 2017. Biosorption of mercury using a few agricultural waste. International Journal of Current Research, 9(12): 62119 – 62122. **Impact factor: 7.617**

15.Elavarasi, S., Revathi, G., Saravanan, K., **Horne Iona Averal** and R. Rekha. 2017.

Biosorption of Cadmium using a few agricultural waste. International Journal of Innovative Research and Advanced Studies. 4(11): 123 – 126. ISSN: 2394-4404.

Impact Factor 2.58

16.Elavarasi, S., Anisha Marina, A and **Horne Iona Averal**. 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. **Impact Factor:**

4.382 ICV 77.3

17.Nivetha, S., Poornima,R and **Horne Iona Averal** (2016) Regulation of Estrus cycle using Pergularia daemia and Metformin in the PCOS Induced Rats. Int.J for Pharm.Res.Sch.Vol:5 1-3. ISSN No:2277 -7873.**Impact Factor : 4.845**

18.Nivetha, S., Poornima,R and **Horne Iona Averal** (2016) Normalizing the histophysiology architecture of the rat ovaries in PCOS Induced rats. Ind.J.Nat.Sci. Vol:7 Issue 37:11516-11521 ISSN No:0976 -0997. **Impact factor: 1.233.**

19. Nivetha, S., Poornima,R and **Horne Iona Averal** (2016) Effect of combination therapy of an insulin sensitizer and a plant in the hormonal profile of Polycystic ovary syndrome induced rats by Letrozole. International J.Univ.Pharm.and Biosci.Vol: 5(4) ISSN No:2319 - 8141 **Impact factor 2.96 ICV 5.13.**

20.Poorima Rajan and **Dr. Horne Iona Averal** (2016) Qualitative and Quantitative Analysis of a common herb: Pergularia daemia Int.J.Sci. Res.Vol:5 (9) ISSN No: 23197064. **Impact factor 6.391.**

21. Nesarajan, J. and **Horne Iona Averal** (2016). The Scientific Documentation of Diversity of Butterflies in Bishop Heber College Campus, Trichy District, Ind.J.Nat.Sci.Vol.6 / Issue 35 /ISSN 0976 – 0997. **Impact factor 1.23.**
- 22.Nesarajan, J. and **Horne Iona Averal**(2016) Zinnia Flower (Asteraceae) as a Key Nectar Source for Butterflies in the Bishop Heber College Campus, Trichy, Tamil Nadu Indian Journal of Natural Sciences ISSN0976 – 0997. **Impact factor 1.233.**
- 23.Poornima, R., Bhuvaneshwari S. and **Averal H. I.** (2016). An alternative therapy of an insulin sensitizer drug to the PCOS induced rats with a common perennial vine. Ind. J. Nat. Sci. 6 (35): 10660- 10665 ISSN: 0976-0997. **Impact factor: 1.233.**
- 24.Bhuvaneshwari S., Poornima R., **Averal H.I.**, (2015). Comparitive study of Pergularia daemia and Citrullus colocynthis in polycystic ovarian syndrome induced albino wistar rats. Int. J. Mul. Res. Dev. 2(9): 207 – 212. ISSN: 2349-4182. Impact factor 4.342.
- 25.Bhuvaneshwari S., Poornima R., **Averal H.I.**, (2015). Managemant of obesity in polycystic ovary syndrome induced albino rats with Pergularia daemia. Int. J. App. Res. 1(9): 779 – 783. ISSN: 2394-5869. **Impact factor 5.2.**
- 26.Bhuvaneshwari S., Poornima R., **Averal H.I.**, (2015). Detection of polycystic ovary syndrome and its treatment with Pergularia daemia in rat modes. IOSR. J. Pahrm. 5(5): 42 – 49. ISSN: 2250-3013. **Impact factor 1.4.**
- 27.Bhuvaneshwari S., Poornima R., **Averal H.I.**,(2015).Effect of Pergularia daemia in Polycystic ovary syndrome induced rat ovaries and thyroid gland. Int. J. Rec. Sci. Res. 6(1): 2390– 2394. ISSN: 0976-3031. **Impact factor 5.971.**
- 28.Poornima, R., Saranya, P., Bhuvaneshwari, S. and **Averal, H.I.** (2015). Evaluation of Pergularia daemia and metformin in the treatment of PCOS in testosterone propionate induced albino wistar rats (Rattus norvegicus). Int. J. Sci. Res. Pub. 5(11): 503 – 509. ISSN:2250-3153 **Impact factor: 2.07.**

29. Joonu J., **Averal H.I.**, (2014). Bacterial resistance to zinc metal and their biosorption mechanism. Asian Journal of Microbiology Biotechnology and Environmental Science 3: 16-ISSN:0972 -3005. **Impact factor 2.5.**
30. Bhuvaneshwari S., Poornima R., **Averal H.I.**, (2013). A review on polycystic ovarian syndrome. International Journal of Recent Scientific Research. 4 (3): 202 – 207. ISSN:0976-3031. **Impact factor : 1.32**
31. Poornima R., Bhuvaneshwari S., **Averal H.I.**, (2013). Polycystic ovary syndrome and its disorders: a review. Elixir Applied Zoology. (62):17723 – 17727. ISSN: 2229- 712 **Impact factor: 6.025.**
32. Joonu J., **Averal H.I.**, (2012). Isolation and characterization of bacteria from a heavy metal polluted environment. Science research reporter. 2(3): 7-18. ISSN: 2249 – 2321. **Impact factor 2.836.**
33. Akbarsha M.A., **Averal H.I.**, (1999). Epididymis as a target for toxic manifestation of vincristine: ultrastructural changes in the clear cell. Biomedical Letters. (59): 149 – 159. **Global impact factor: 0.501**
34. Akbarsha M.A., **Averal H.I.**, (1999). Epididymis as a target for toxic manifestation of vincristine: ultrastructural changes in the narrow cell. Biomedical Letters. (59): 113 – 120. **Global impact factor: 0.501**
35. **Averal H.I.**, (1998). Male reproductive toxicity of Vincristine: ultrastructural changes in the epididymal principal cell. Biomedical Letters.(57): 159 -169. **Global impact factor: 0.501**
36. Akbarsha M.A., **Averal H.I.**, (1997). Male reproductive toxicity of vincristine: changes

in the protein profile of testis an accessory reproductive organs, with a note on the protective action of testosterone propionate. Biomedical Letters. (55): 179 -191. **Global impact factor: 0.501**

37. Akbarsha M.A., **Averal H.I.**, (1996). Epididymis as a target organ for the toxic effect of vincristine: light microscopic changes in the epididymal epithelial cell types. Biomedical Letters. (54): 133 -146. **Global impact factor: 0.501**

38. Akbarsha M.A., **Averal H.I.**, (1996). On the use of testosterone propionate as a gonadoprotective agent in the context of vincristine toxicity. Biomedical Letters.(54): 97 – 104. **Global impact factor: 0.501**

39. Akbarsha M.A., **Averal H.I.**, Stanley A., (1996). Male reproductive toxicity of vincristine; histopathological changes in the seminiferous tubules in relation to the stages in the spermatogenic cycle. Biomedical Letters (54): 73 – 86. **Global impact factor: 0.501**

40. Akbarsha M.A., **Averal H.I.**, (1996). Male reproductive toxicity of vincristine in rat : effect on seminal vesicles. Biomedical Letters. (53): 239 – 253. **Global impact factor: 0.501**

41. Akbarsha M.A., **Averal H.I.**, (1996). Male reproductive toxicity of vincristine in rat: Effect on the ventral prostate. Biomedical Letters. (53): 41 – 52. **Global impact factor: 0.501**

42. **Averal H.I.**, (1996). Specific effect of vincristine on epididymis. Indian Journal of Experimental Biology. (34): 53 – 56. **Impact factor : 0.783**

43. **Averal H.I.**, et al., (1995). Phytotherapeutic approach in male antifertility. Journal of

- Swamy Bot. Cl. (12): 1 – 11.
44. **Averal H.I.**, Stanley A., Akbarsha M.A., (1995). Apoptotic death of male germinal line cells of rat caused by vincristine: light and electron microscope study. Biomedical Letters. (52): 171– 180. **Global impact factor: 0.501**
45. Stanley A., **Averal H.I.**, Akbarsha M.A., (1995). Vincristine can cause apoptotic death of male germinal cells. Biomedical Letters. (51): 161 -168. **Global impact factor: 0.501**
46. Akbarsha M.A., Stanley A., **Averal H.I.**, (1994). Effect of vincristine on leydig cell and accessory reproductive organs. Current Science. (50): 1053 – 1057. **Impact Factor :0.756**
47. Sundararaman M., **Averal H.I.**, Akbarsha M.A., Subramanian G., (1994). Bioactivity of marine cyanobacteria in the animal – based systems: Modulation of food intake, body weight and some haematological characters. Annals of Applied Biology. (125): 195 – 206. **Impact factor: 2.037**
48. Stanley A., **Averal H.I.**, Akbarsha M.A., (1993). Reproductive toxicity of vincristine in male rats. Indian Journal of Experimental Biology. (31): 380 – 382. **Impact factor: 0.783.**
49. **Averal H.I.**, Manimegalai M., Akbarsha ., (1992). Differentiation along the ductus epididymis of the Indian garden lizard versicolor (Daudin). Biological structures and morphogenesis. 4 (2): 53 – 57.
50. Roshan Safeeha, A., **Horne Iona Averal** and Elavarasi, S. 2021 Antibacterial activity of synthesized silver nanoparticle from polyherbal extract against human pathogens.

Walailak Journal of Science and Technology. Impact factor : 0.44

51. Elavarasi, S., Revathi, G., Saravanan. K and **Horne Iona Averal**. 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

52. M. Nithya and **Horne Iona Averal** 2022. Identification and Comparison of possible epitope “designed targets using in-silico techniques for Corona virus . *International Journal of Innovative Research in Technology*, Volume 8 Issue 8 January Impact factor 5.87

53. M. Nithya and **Horne Iona Averal** 2022. Identification and Comparison of possible epitope “designed targets using in-silico techniques for Corona virus . *Journal of Emerging Technologies and Innovative Research* , Volume 9, January 2022, Impact factor 7.95

54. M.V. Gayathri and **Horne Iona Averal**. 2022. Diversity of spiders (Arachnida : Area) is tropical butterfly conservatory, Tiruchirappalli, Tamil Nadu, South India. *International Journal of Ecology and Environmental Sciences*. Online ISSN 2664-7133, Print 2664-7133

55. M.V. Gayathri and **Horne Iona Averal**. 2023. Potential breeding sites for spider with special reference to *Jatropha integerrima*. *International Journal of Ecology and Environmental Sciences* Online ISSN: 2664-7133, Print ISSN: 2664-7125. Volume 5, Issue 4,

Resource Person /Paper Presentation /Participation

S. No.	Theme	Place	International /National / State level	Year	Resource Person / Paper Presentation / Participation
1.	ANIMALIA-2K18 (Intercollegiate Zoological Extravaganza)	Jamal Mohammed College, Trichy	State Level	2018	Resource Person
1.	International Conference on Innovations and Challenges in Biomedical Research	Holy Cross College, Trichy	International	2017	Resource Person

2.	National Conference on Enhancing Enterpreunership and Innovation in Biotechnology for Sustainable Development	H.H. The Rajah's College, Pudukkottai.	National	2017	Resource Person
3.	International Conference on Conservation of Natural resources	Nehru Memorial College	International	2016	Participated
4.	National seminar on Recent Trends in Life Science	Jamal Mohamed College	National	2015	Presented
5.	State level wokshop on introduction of Smart city	Hotel Femina, Tiruchi	State Level	2015	Participated
6.	State level seminar on Higher Eucation in New Education Policy – Challenges and Prospects	Tamil Sangam Hall, Tiruchi	State Level	2015	Participated
7.	One day Seminar on Analytical Instrumentation	Agilent Technologies, Hotel Sangam, Tiruchi	National level	2015	Participated
8.	Recent trends in Biomedical Sciences	Holy Cross College	International	2014	Participated
9.	Nanotechnology	Stella Maris college	National	2012	Participated

10. RESEARCH AND PROJECTS UNDERTAKEN:

S. No.	Category Major/ Minor	Research Area	Funding Agency	Sanctioned Amount (Rs.)	Period
1.	Minor Project	Anti-repellency of Mosquito	UGC	Rs.70,000/-	2008 -2009
2.	Major Project	Polycystic ovary	UGC	Rs.11,88,800/-	2012-2015

Research:

M.Phil

Guided: 20

Guiding: 3

Ph.D

Guided: 4

Guiding :6

POST DOCTORAL FELLOWSHIP (PDF)

Mentor for Dr. S. Elavarasi, N-PDF, entitled on “Antipsoriatic activity of the polyherbal formulation using ultraviolet β ray photodermatitis albino rat model, selected under the scheme DST-SERB, Government of India.

11.MEMBERSHIPS IN ACADEMIC BODIES (BOARD OF STUDIES, DOCTORAL COMMITTEE MEMBER)

1. Expert of Internal audit - Jamal Mohammed College.
2. Board Member for St. Mary's College, Tuticorin.
3. Board Member for Holy Cross College, Nagercoil.
4. Board Member for Bishop Heber College, Tiruchi.
5. Board Member for Jamal Mohamed College, Tiruchi.
6. Mentor for Star College Scheme, DBT, Nirmala College for Women, Coimbatore.
7. NAAC Review meet member for Jamal Mohamad College, Tiruchi.
8. Doctoral Committee member for Bharathidasan University department, Trichy.
9. Doctoral Committee member for EVR Periyar Govt Arts & Sci. College, Trichy.
10. Doctoral Committee member for Jamal Mohammad College, Trichy.
11. Doctoral Committee member for Nehru Memorial College, Puthanampatti.
12. Member for Management Council for Sacred Heart Higher Secondary School, Mathur.
13. M.Phil and PhD. Examiners in and around Tamil Nadu.
14. Question paper setter & Evaluator for Dr G. Sakunthala College of Nursing, Trichy.
15. Board of Examiner for Dr G. Sakunthala College of Nursing, Trichy.
16. Board member for Saradha College, Salem.
17. External Expert for Academic and Administrative Audit for Nirmala College, Coimbatore .

18. External Expert for Academic and Administrative Audit for Rathinam Arts and Science College, Coimbatore.
19. External Expert for Academic and Administrative Audit for St. Mary's College, Tuticorin.
20. External Expert for Academic and Administrative Audit for Kongunadu Arts and Science College, Coimbatore
21. External Expert for Academic and Administrative Audit for Bon Secours College, Thanjavur.
22. Question paper setter & Evaluator for Sri Vidya Mandir Arts & Science College (Autonomous), Krishnagiri.

12.Details of membership in professional bodies /journals, editors, consultancy, resource person

1. Life Member -Society for reproductive Biology and Comparative Endocrinology
2. Life Member - Bose Science Society
3. Management council –Sacred Heart School, Mathur.
4. Jamal Mohamad College, Tiruchi – Board member.
5. Bishop Heber College Tiruchi - Board member
6. Reviewer –1.International Journal of Research and Reports in Gynaecology..
2.International Journal of Life Science and Pharma Research.
7. BDU Triennial visit -2016

13. ADDITIONAL ACHIEVEMENTS

E-lessons developed

Sequence Publications :

Nucleotide sequence were published in the “NCBI – GENBANK

Sl. No.	Common Name	Best match	GenBank Accession Number
1	Common Grass yellow	<i>Eurema hecabe</i>	KT123299
2	3 Spot grass yellow	<i>Eurema blanda</i>	KT123300
3	Mottled emigrant	<i>Catopsilia pyranthe</i>	KT123301

4	Lemon pansy	<i>Junonia lemonias</i>	KT123302
5	Tawny Coster	<i>Acraea sp.</i>	KT123303
6	Common rose	<i>Pachliopta aristolochiae</i>	KT123304
7	Common Mormon	<i>Papilio polytes</i>	KT123305
8	Crimson rose	<i>Pachliopta hector</i>	KT123306
9	Common Cerulean	<i>Jamides celeno</i>	KT123307
10	Forget me not	<i>Catochrysops Strabo</i>	KT123308
11	Common Jezebel	<i>Delias eucharis</i>	KT123309
12	Rice swift	<i>Borbo cinnara</i>	KT123310

National Center for Biotechnological Information". 2014

Name of the gene : CYP11a

Name of the Sample	Accession Number
Control	KM606638
PCOS induced	KM606639
Pergulari daemia treated (leaf extract)	KM606640
Citrullus colocynthis treated (Fruit extract)	KM606641

Organism	Accession Number
<i>Bacillus cereus</i>	KC920741
<i>Alcaligenes fecalis</i>	JX975452
<i>Enterobacter asburiae</i>	KF984153
<i>Pseudomonas aeruginosa</i>	KF984154

14.Book Publication:

1. Drug Development for Cancer and Diabetes: A Path to 2030. Apple Academic Press

2. A Text Book Of Practical Zoology For Undergraduates-2021 Few chapters published by Publication Division, Holy Cross college(Autonomous), Tiruchirappalli-2 ISBN No.978-81-953014-2-3

3. Antidiabetic and Antihyperlipidemic activities of *Cyathea nilgiriensis* (Holttum) on STZ induced diabetic rats. 2020 In: Drug Development for Cancer and Diabetes - A Path to 2030. Apple Academic Press, USA. pp. 233 – 248.

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