

FACULTY PROFILE

1. Name : Dr. Vidhya K
2. Designation : Assistant Professor
3. Qualification : M.Sc., M.Phil., M.Ed., Ph.D.,
4. Mobile number : 9345305771
5. E-mail id : vidhyak@auxiliumcollege.edu.in
6. Teaching Experience : 18 Years
7. Area of specialization : Bioremediation
8. Position Held in Auxilium : Research Cell Member,
Examination Conduct Committee Member,
Subject Expert - NCSC, TNSF,
Member of AIIC,
College Band.
9. Research Experience : 8 Years
10. No. of Papers Published : 8
11. No. of Paper Presented : 7
12. No. of Books Published/Edited/Co-edited: 4
13. Membership in professional bodies
 1. Life Member of Indian Science Congress (L34250)
 2. Life Member of Indian Ecological Society
 3. Member of Tamil Nadu Science Congress
 4. Life Member in Academic & Research Conclave (ARC10240)
 5. Member of the International Eco-club, NSF Coimbatore,
 6. Member of Einstein Research Academy, Pondicherry.
14. Other bodies
Lead Auditor (NSF/TN58), National Science Foundation, Coimbatore from 2022.
15. Honors & Awards received
 1. Has chaired as Guest of Honour for the Women's day celebration conducted by All India Women's conference and Inner Wheel club of Vellore North at Gandhinagar, Vellore on 13.03.2023.

2. Has acted as a Lead Auditor for the Solid Waste Management Audit along with the National Science Foundation, Coimbatore at Mazharul Uloom College, Ambur, Tamil Nadu on 14.12.2022.
3. Has acted as an Evaluator for the 30th National Children Science Congress – District Congress, Vellore organized by Tamil Nadu Science Forum Vellore District held at Auxilium College on 26.11.2022.
4. Has acted as a Lead Auditor for the Environment Audit along with the National Science Foundation, Coimbatore at Shri Shankarlal Sundarbai Shasun Jain College, Chennai, Tamil Nadu on 28.10.2022.
5. Has CHAIRED as JUDGE for the 9th Edition District Level Event Veetukoru Vignanni 2022 held at Velammal Hr. Sec School, Vellore, organized by Puthiya Thalaimurai Media Pvt Ltd on 09.09.2022.
6. Has CHAIRED as JUDGE for the District level School Students Science Projects organized by the Tamil Nadu Science Forum on 18.12.2021 held online via zoom.
7. Has CHAIRED as JUDGE for the Inter Departmental Essay Writing Competition organized by the Zoology Association, PG and Research Department of Zoology, Auxilium College, Vellore held on 03.10.2020.
8. Has CHAIRED as JUDGE for the State level School Students Science Projects held at VIT University on 19.11.2019.
9. Has CHAIRED as JUDGE for the Poster presentation in the National Conference on Recent Scenario of Climatic Change on Environment and Biodiversity organized by PG & Research Department of Zoology, Voorhees College, Vellore, on 11th January 2018.
10. Exemplary Leadership Award 2016, awarded by Sri Marudhar Kesari Jain Trust, Vaniyambadi and B.M.D Jain School, Vellore.
16. No. of Online Courses completed : 5

Publication in Journals

1. Comparative Analysis of the Phyto-compounds Present in the Control and Experimental Peels of *Musa paradisiaca* used for the Remediation of Chromium Contaminated Water, **Vidhya K**¹, Regina Mary R², Job Gopinath M³, ^{1,2} PG & Research Department of

Zoology, Auxilium College, Vellore, Tamil Nadu, India ³ PG & Research Department of Zoology, Voorhees College, Vellore, Tamil Nadu, *Mass Spectrometry Letters*, 13(4), 166-176. <https://doi.org/10.5478/MSL.2022.13.4.166>

2. Analysis of Physico Chemical Factors and Estimation of Total Chromium in the Water Samples Collected in TCCL industry and its Surrounding Area, Ranipet, Tamil Nadu, India, **Vidhya K¹**, Regina Mary R², Job Gopinath M³, ^{1,2} PG & Research Department of Zoology, Auxilium College, Vellore, Tamil Nadu, India ³ PG & Research Department of Zoology, Voorhees College, Vellore, Tamil Nadu, India. *Indian Journal of Ecology* (2021) 48(5): 1290-1293 http://indianecologicalsociety.com/society/wp-content/themes/ecology/volume_pdfs/1635307108.pdf
3. Bioremediation of Heavy Metal Chromium Using Different Varieties of Banana Peels, **Vidhya K¹**, Regina Mary R², Job Gopinath M³, ^{1,2} PG & Research Department of Zoology, Auxilium College, Vellore, Tamil Nadu, India, ³ PG & Research Department of Zoology, Voorhees College, Vellore, Tamil Nadu, India, *International Journal of Multidisciplinary Educational Research*, Volume (10), Issue 4(3), April 2021 pgs 47-50 ISSN: 2277-7881 JISRAF Impact Factor: 6.514 Index Copernicus Value: 5.16 International Scientific Indexing Value: 2.286. [http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume10/volume10-issue4\(3\)/9.pdf](http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume10/volume10-issue4(3)/9.pdf)
4. Bio diversity of Grasshopper Species at Amirdhi Forest and Adjoining Areas of Vellore, Tamil nadu, ¹Job Gopinath M, ² **Vidhya K**, ¹ PG & Research Department of Zoology, Voorhees College, Vellore, Tamil Nadu, India, ² PG & Research Department of Zoology, Auxilium College, Vellore, Tamil Nadu, India, *Indian Journal of Entomology*, 2018; 80 (2): 254 – 256, ISSN Online: 0974-8172. <https://www.indianjournals.com /ijor.aspx?target=ijor:ije&volume=80&issue=2&article=018>
5. Phytoremediation of Domestic Waste Water of GandhiNagar, Vellore Using Microalgae *Chlorella vulgaris*, ¹**Vidhya K**, ² Job Gopinath M ³Agilan M, ¹ PG & Research Department of Zoology, Auxilium College, Vellore, Tamil Nadu, India, PG & Research Department of Zoology, Voorhees College, Vellore, Tamil Nadu, India, *International Journal of Applied Research* 2017; 3(3): 770-773, ISSN Print: 2394-7500 ISSN Online:2394-5869. <https://www.allresearchjournal.com /archives/2017/vol3issue3/PartL/3-3-63-913.pdf>
6. Impact of Climatic Change and Food Availability on Diversity of Grasshopper Population in Amirdhi Forest and its Adjoining Places ¹**Vidhya. K**, ² Job Gopinath. M ¹ PG & Research Department of Zoology, Auxilium College, Vellore, Tamil Nadu, India ² PG & Research Department of Zoology, Voorhees College, Vellore, Tamil Nadu, India, *International Journal of Multidisciplinary Research and Development*, 2017; Vol 4(2), Pg 99-102, Online ISSN: 2349-4182, Print ISSN: 2349-5979. <https://www.allsubjectjournal.com/archives/2017/vol4/issue2/3-12-45>
7. A Study on Environmental Ethics Among the Higher Secondary Students in Vellore District, **Vidhya K**, PG & Research Department of Zoology, Auxilium College, Vellore.6

International Journal of Applied Research 2016; 2(11): 300-303, ISSN Print: 2394-7500
ISSN Online: 2394-5869.

<https://www.allresearchjournal.com/archives/2016/vol2issue11/PartE/2-11-14-595.pdf>

Publication in Proceedings

Green Synthesis of Zinc Oxide Nanoparticles using *Ricinus communis* Plant Extract and GC-MS Analysis of Methanol Extraction” in the Book Title “Proceedings of the International Conference on “Unifying Biology Through Diversity” with **ISBN:978-93-92995-21-7** organized by Department of Botany, The American College, Madurai, Tamil Nadu on 14th & 15th October 2022 proceedings, published by L OrdineNuovo Publication.

Papers Presented

1. “Biodiversity of Butterflies in Auxilium Campus, Vellore” paper presented at the International Symposium on Conservation of Aquatic & Terrestrial Biodiversity at Department of Zoology, Thiruvalluvar University, Serkadu, Vellore held from 28th to 30th September 2016.
2. “Isolation and Identification of bacteria present in Industrial polluted bore well water near Sipcot, Ranipet, Vellore” at International Conference on Recent Advances in Biomedical Technology (RABT 2018) organized by Department of Biotechnology, Thiruvalluvar University, Serkadu, Vellore, held between 29th and 31st August 2018.
3. “Assessment of Water Quality of River Palar at Vellore” at National Conference on Conserve and Co-exist (NCCC17) organized by PG & Research Department of Zoology, Auxilium College, Vellore, on 7th & 8th December 2017.
4. “Phytoremediation of Domestic waste water of Gandhinagar, Vellore using Microalgae *chlorella vulgaris*” at National Conference on Environmental Protection and Sustainability organized by PG & Research Department of Sir Theagaraya College, Chennai and Indian Academy of Environmental Sciences, Haridwar. held on 31st December 2016 and 1st January 2017.
5. “The Impact of Globalization on the Education and Students in India” at International conference held at Italy, organized by Agape Centro Ecumenico, Italy, from 27th August to 3rd September 2000.
6. “Analysis of Structural Changes in the Peels of *Musa paradisiaca* Exposed to Polluted Industrial Waste Water using SEM and SEM-EDAX techniques” at International Conference on Soil, Water, and Air Pollution organized by The School of Environmental Studies, Cochin, University of Science on 27.10.2022.
7. “Green Synthesis of Zinc Oxide Nanoparticle using of Methanol Extraction” at International Conference on “Unifying Biology Through Diversity” (ICUBD -2022), organized by Postgraduate & Research Department of Botany, The American College, Madurai 625 002, Tamil Nadu, India on 15.10.2022.

FDP's/Seminars/Workshop/Webinars

1. FDP on **Managing online classes and co-creating MOOCs** conducted by Teaching Learning Centre, Ramanujam College, New Delhi in association with PanditMadan Mohan Malaviya National Mission on Teaching and Teachers by MHRD, between 18.05.2020 to 03.06.2020.
2. FDP on **Multimics and Traditional approaches to combat COVID-19/ Virus outbreak** organized by B.S. Abdul Rahman Crescent Institute of Science & Technology, Vandalur, Chennai in association with Tamil Nadu State Council for Science and Technology (TNSCST) between 21.05.2020 to 26.05. 2020.
3. International FDP on **Evolving best Teaching and Learning Practices in the Pandemic Era 2020** organized by Auxilium College (Autonomous), Vellore between 15.06.2020 to 21.06.2020.
4. **Faculty Induction Programme** organized by Teaching Learning Centre, Ramanujam College, Delhi in association with PanditMadan Mohan Malaviya National Mission on Teaching and Teachers by MHRD between 04.06.2020 to 01.07.2020.
5. FDP on **Research Methodology** organized by Teaching Learning Centre, Ramanujam College, University of Delhi under the aegis of MHRD PanditMadan Mohan Malaviya National Mission for Teachers and Teaching between 01.10.2020 to 15.10.2020.
6. FDP on **Professional and Communicative English** organized by Department of English and Foreign Languages, Bharathiyar University, Coimbatore between 16.06.2021 to 22.06.2021.
7. FDP on **Outcome Based Education** organized by Auxilium College (Autonomous), Vellore in collaboration with IPSR Solutions Ltd., between 22.11.2021 to 26.11.2021.
8. FDP on **Libre Office Suite** organized by Auxilium College (Autonomous), Vellore in collaboration with Spoken Tutorial, IIT Bombay between 26.5.2022 to 10.06.2022
9. **Refresher Course** organized by Teaching Learning Centre, Ramanujam College, University of Delhi under the aegis of MHRD PanditMadan Mohan Malaviya National Mission for Teachers and Teaching between 25.04.2022 to 09.05.2022.
10. Seven Days National Level FDP on “Fundamentals of Research and Research Methodology” organized by IOT Academy, Coimbatore, Tamil Nadu between 06.10.2022 to 14.10.2022.

At International Level:

1. Participated in the **International Conference on “Soil, Water, and Air Pollution”** organized by the School of Environmental Studies, University of Science, Cochin on 27.10.2022
2. Participated in **International Conference on “Unifying Biology Through Diversity” (ICUBD -2022)** organized by Postgraduate & Research Department of Botany, The

American College, Madurai 625 002, Tamil Nadu, India, between 14.10.2022 & 15.10.2022

3. Participated in the International Webinar on **“DNA Fingerprinting – Concepts and Applications”** organized by PG and Research Department of Zoology, Auxilium College (Autonomous), Vellore-6 on 26.09.2022.
4. Participated in the webinar on **Global Congress on Sustainability for Growth & Development** on Wong Ling Shing organized by **INTI International University, Malaysia** on 18.07.2020
5. Participated in the webinar on **Current Innovations and the future of Therapeutic developments** organized by **Indo UK Virtual Conference** organized by CBCMT of VIT, Vellore and Swansea University, UK between 1.6.2020 and 3.6.2020
6. Participated in the International E-conference on **Strategies & Challenges in Higher Education** during COVID-19 lockdown period in India with reference to the world organized by **Government Vidarbha Institute of Science & Humanities, Amravati, India** between 15.5.2020 and 17.5.2020
7. Participated in the International Seminar on **Diseases of Aquatic Animals** conducted by PG & Research Department of Zoology, C. Abdul Hakeem College, Melvisharam, Vellore held on 22nd August 2017.
8. Participated in the 3 day International Symposium on **Theranostics in Health and Disease** conducted by **VIT University and National University of Singapore** held at VIT, Vellore between 20th and 22nd July 2017.
9. Participated in the 3 days International Symposium on **Conservation of Aquatic & Terrestrial Biodiversity** conducted by Department of Zoology, Thiruvalluvar University held from 28 to 30 September 2016
10. Participated in the 3 days International conference on **“Educational Leadership”** organized by **City Montessori group of Institutions and Global Classrooms Pvt. Ltd,** held at Lucknow, India from
11. Participated in the 3 days International conference on **“Leading Effective schools”** held at Karnataka, India from 6th to 8th October 2014 organized by Little Rock Indian School, Udupi and **Association of ICSE & CBSE Schools.**
12. Participated in the International conference on **“Globalization and its impact”** held at Italy, organized by **Agape Centro Ecumenico, Italy,** from 27th August to 3rd September 2000.

At National Level:

1. Participated in the National Wildlife Week 2022 Webinar on **Biodiversity of Andaman and Nicobar Islands**, Sponsored by DBT Star College Scheme for Strengthening UG Science organized by the Department of Zoology, V.H.N. SenthikumaraNadar College, Virudhunagar on 20.10.2022.

2. Participated in the **UGC- Sponsored Webinar on Changing Role of Teachers: NEP (2020) Perspectives** organized by UGC HRDC Bharathidasan University on 08.09.2022.
3. Participated in the **UGC- Sponsored Webinar on Digital Governance** organized by UGC HRDC Bharathidasan University on 30.08.2022.
4. Participated in **Faculty Induction Training on Research Methodology** organized by Teaching Learning Centre, Ramanujam College, University of Delhi under the aegis of **MHRD PanditMadan Mohan Malaviya National Mission for Teachers and Teaching** between 01.10.2020 and 15.10.2020
5. Participated in webinar on **Biomaterials & Bio Therapeutics** organized by Sathyabamma Institute of Science & Technology in association with Col. Dr. Jeppiaar Research Park, **Centre for Ocean Research and Earth Science & Technology Cell (ESTC) Ministry of Earth Sciences** between 28.09.2020 and 03.10.2020
6. Participated in webinar on Challenges faced by **Students and Educational Institutions during Pandemic – responses and way forward** organized by **National Institute of Disaster Management (NIDM) Ministry of Home Affairs, Government of India** in collaboration with International Justice Mission on 23.09.2020
7. Participated in Webinar series on **Biotechnological and Nano technological Application for Marine Bioresources Augmentation** organized by Sathyamama Institute of Science & Technology in association with Col.Dr.Jeppiaar Research Park, **Centre for Ocean Research and Earth Science & Technology Cell (ESTC) Ministry of Earth Sciences** between 04.5.2020 and 09.5.2020
8. Participated in FDP on **Managing online classes and co-creating MOOCs** organized by Teaching Learning Centre, Ramanujam College, Delhi in association with **PanditMadan Mohan Malaviya National Mission on Teaching and Teachers by MHRD** between 18.5.2020 and 3.6.2020
9. Participated in **FDP on Multiomics and Traditional approaches to combat COVID-19/ Virus outbreak** organized by B.S. AbdurRahman Crescent Institute of Science & Technology, Vandalur, Chennai in association with **Tamil Nadu State Council for Science and Technology (TNSCST)** between 21.5.2020 and 26.5. 2020
10. Participated in **Protection of Women and Children from Everyday Violence** organized by Department of Social Work, Auxilium College (Autonomous), Vellore in collaboration with **International Justice Mission and Cyber Intelligence Academy** on 29.5.2020
11. Participated in National Workshop on **Video Content Creation** organized by **IQAC Marian College, Kuttikkanam (Autonomous), Kerala** between 15.4.2020 and 17.4.2020
12. Participated in webinar on **Evolving best Teaching and Learning Practises in the Pandemic Era 2020** organized by **Auxilium College (Autonomous), Vellore** between 15.6.2020 and 21.6.2020

13. Participated in **Faculty Induction Programme** organized by Teaching Learning Centre, Ramanujam College, Delhi in association with **Pandit Madan Mohan Malaviya National Mission on Teaching and Teachers, MHRD** between 3.06.2020 and 1.7.2020
14. Participated in webinar on **Ornamental Fish Culture and breeding** organized by Sathyabama Institute of Science & Technology in association with Col. Dr. Jeppiaar Research Park, **Centre for Ocean Research and Earth Science & Technology Cell (ESTC) Ministry of Earth Sciences** between 15.6.2020 and 19.6.2020.
15. Participated in webinar on **E learning and Tools for effective Teaching and Learning** organized by PG & Research Department of Commerce Voorhees College, Vellore on 6.6.2020.
16. Participated in webinar on **High Resolution Microscopy as a tool to New Discoveries in Sciences** organized by Department of **Biotechnology, Indian Academy Degree College (Autonomous), Bangalore** and **Crest Optics, Via di Torre Rossa, Rome, Italy** on 16.07. 2020.
17. Has participated and **CHAired as JUDGE** for the Poster presentation in the National Conference on **“Recent Scenario of Climatic Change on Environment and Biodiversity”** organized by PG & Research Department of Zoology, Voorhees College, Vellore, on 11th January 2018.
18. Has participated in the National Conference on **“Conserve and Co-exist (NCCC17)”** organized by PG & Research Department of Zoology, Auxilium College, Vellore, on 7th & 8th December 2017.
19. Has participated in the National Conference on **“Biodiversity Conservation and Coastal Management ”** organized by Department of Zoology, Vivekananda College, Kanyakumari on 10th & 12th August 2017.
20. Has participated in the one day Scientific Programme – **National Science Day & Open Day 2017** held at **CSIR- Central Leather Research Institute**, Chennai on 28th February 2017.
21. Has participated in the National Conference on **“Journey towards Excellence”** held from 9th – 11th February 2017 organized by IQAC, Auxilium College, Vellore.
22. Has participated in the National Conference on **Environmental Protection and Sustainability** held on 31st December 2016 and 1st January 2017 organized by PG & Research Department of Sir Theagaraya College, Chennai and Indian Academy of Environmental Sciences, Haridwar.
23. Has participated in the National Seminar on **Innovative Research in Biological Science** held on 19th December 2014 organized by Department of Botany, Government Thirumagal Mills College, Gudiyattam.
24. Attended 3 days national conference on **“Reach the Unreached”** conducted by the ASISCE at Kerala from 27th to 29th November 2013.
25. Attended 3 days national conference on **“Lead the Way, be the Light”** conducted by the ASISCE at Kolkata from 21st to 23rd November 2012.

26. Attended 2 days Training Programme on **“Teaching of Biology at ICSE & ISC Level”** conducted by the Council for the Indian School Secondary Certificate Examinations at Kolkata on 19th & 20th September 2012.
27. Attended 6 days Training Programme on **“Educational Leadership skills and Management”** Programme and certified by the Indian Institute of Management, Kolkata in January 30 to February 4, 2012.
28. Has participated in the three days national Seminar on **“Environmental Biotechnology”** held at Nagarjuna University, Andhra Pradesh from 21 to 23 December 2002
29. Has participated in the two days national level Inter-Collegiate seminar on **“Empowerment of Women”** held at Voorhees College, Vellore and Rotary International on 5th & 6th January 2001.
30. Has participated in the two days national level Inter-University seminar on **“Women’s Millennium”** held at S.H. College, Thevara, Cochin on 3rd & 4th January 2000.
31. Has participated in the two days Inter-collegiate Seminar on **“Gender Justice in the new millennium”** organized by Women’s Cell, Voorhees College on 18th & 19th of February 2000.

State Level:

1. Participated in the State Level Seminar on **“The growing challenges in Classroom Management”** on 31.03.2012 organized by K.M.G College of Education, Gudiyatham.
2. Participated in the State Level Seminar on **“Eve-Teasing”** on 27.02.2001 organized by NSS unit of Kumararani Meena Muthiah College and University of Madras, Chennai.
3. Has participated in the Motivation Training Camp on **“Personality Development”** conducted by the N.S.S Unit of University of Madras at Thanthai Periyar Government Institute of Technology, Vellore in May 1998.