

BIO- DATA



Dr.Mrs. G.Indira Rani
Head and Associate Professor
Department of Zoology
EMG Yadava college for women,
Madurai – 625014.

Personal Information:

Date of Birth : 21.03.1968
Spouse name : P.S. Murugash
Residential Address : 3/318, 5th cross street
Krishna Nagar Main Street
Krishna Nagar (near Iyerbungalow)
Madurai – 625014.
Contact number : 94880 89002

Academic Qualifications:

Exams Passed	Board/University	Year of Passing	Grade
High School	Board of Secondary Education, Tamil Nadu.	April 1984	I class with distinction
Higher Secondary	Board of Higher Secondary Education, Tamil Nadu.	April 1986	I class with distinction
Bachelor's degree (s)	Madurai Kamaraj University, Madurai	April 1989	I class with distinction
Master's degree (s)	Madurai Kamaraj University, Madurai	April 1991	I class with distinction
Research degree (s)	M.Phil. , - Manonmanium Sundaranar University, Thirunelveli	January 1993	I class with distinction
	Ph.D – Madurai Kamaraj University, Madurai Title : Toxicological impact of the Pyrethroid insecticide Karate on some physiological aspects of the fresh water fish, <i>Clarias batrachus</i> .	October 2016 3.10.2016	VIVA— VOICE conducted 03.10.2016

Teaching Experience :

Total Teaching Experience : 26 years

Courses Taught	Name of the University/College/Institution	Duration
U.G. (B.Sc Zoology)	E.M.G Yadava Womens College, Madurai	November 1996 to till date 26 years 6 months of Teaching Experience

Research Experience :

Papers Published in Journals : 5

Paper Presented in Conferences : 4

Title of the paper	Journals/conferences
<p>Journals :</p> <p>Indira Rani, G. and D. Jones Nelson (1992). Effect of parathion on gills of field crab <i>Paratelphusa hydrodromus</i>. Journal of Ecotoxicology and Environmental Monitoring. 2(1), pp 19-21 1992.</p> <p>Indira Rani, G. and A. K. Kumaraguru (2013). Effect on growth and food utilization induced by pyrethroid insecticide in <i>Clarius batrachus</i>. Int. J. Rev. Life. Sci., 3(2), 2013, 1-6. ISSN 2231-2935</p> <p>Indira Rani, G. and A. K. Kumaraguru (2014). Behavioural responses and acute toxicity of <i>Clarias batrachus</i> to synthetic pyrethroid insecticide, λ-cyhalothrin. Journal of Environmental and Applied Bioresearch. Vol. 0 2, No. 0 1, pp. 19 – 24. ISSN: 2 3 1 9 - 8 7 4 5.</p> <p>4 Indira Rani, G. and Kavitha Bharathi.B (2022).Diversity of Avifauna in Palayakayal Mangroves Forest Ecosystem . International Journal of Xi'an Shiyou University, Natural Science Edition. ISSN NO: 1673- 064X. volume-18, Issue -11 – 2022.</p> <p>5. Indira Rani, G.andKavithaBharathi.B (2023). Impact of Lambda-Cyhalothrin on tissue lipid in fresh</p>	<p>Journal of Ecotoxicology and Environmental Monitoring</p> <p>International Journal of Review in Life Sciences</p> <p>Journal of Environmental and Applied Bioresearch</p> <p>International Journal of Xi'an Shiyou University, Natural Science Edition.Indexed in Scopus and An UGC-Care Approved Group 2 Journal . Impact factor: 5.6</p> <p>JETIR - International Journal of Emerging Technologies and Innovative Research. Impact factor: 7.95</p>

<p>water air breathing fish-<i>C.batrachus</i>. ISSN-2349-5162.</p>	
<p><u>Conferences :</u> Mrs.G.Indira Rani, Assoc. Professor in Zoology participated and presented a paper on “Toxicological Impact of Ground water pollutant on the freshwater fish-<i>Clarias batrachus</i>” during the Fourth International Ground Water Conference from 27.09.2011 to 30.09.2011 at Yadava College, Madurai.</p> <p>Mrs.G. Indira Rani, Assoc. Professor in Zoology participated and presented a paper on “Acute Toxicity Bio assay of Lambda cyhalothrin on fresh water fish <i>Clarias batrachus</i>” during the International Conference of KAAS-2013, Kanyakumari Academy of Arts and Science held on 21st September 2013 at Sri. Ayyappa College, Nagercoil.</p>	<p>International Conference</p> <p>International Conference</p>

Books Authoured from Funding Agency

Title of the book	Name of the Funding Agency	Sanctioned Amount Rs.	Remarks
Essentials of Environmental Education – Chapter III	UBCHEA Sponsored – United Board for Christian Higher Education in Asia	Rs .50,000 /-	Completed

PUBLICATION OF BOOK/ BOOK CHAPTERS / MONOGRAPH / PAPERS PUBLISHED IN CONFERENCE/ PROCEEDINGS

S.NO	TITLE OF THE BOOK/ CHAPTERS/ PROCEEDINGS	TITLE OF THE PAPER	NATIONAL/ INTERNATIONAL	PUBLISHER DETAILS	ISBN/ISSN OF THE PROCEEDINGS	YEAR
1	Book: Essentials of Environmental Education	Chapter -III Ecosystem	National	Centre For Environmental Studies, Lady Doak College, Madurai		2014
2	Book: Novel Approaches in Biological Sciences,	Chapter: Toxicological impact of λ - Cyhalothrin insecticide (Karate) o the respiratory enzymes - LDH and SDH in the fresh water fish <i>Clarias batrachus</i> ”	National	Darshan Publishers , Rasipuram(Tk), Namakkal(Dt), TamilNadu,	ISBN: 978-81-947071-8-9 ,Volume 1, Edition 1	Feb-2022
3	Book: Fisheries, Aquaculture, Ecology and Environment	Chapter: Fungal Pathogens in Aquaculture	National	Dr.T.S.Pathan, Dr.Atul Kumar and R.Chourpagar	ASIN – BOBN 5 FGHHP. ISBN -13 979-888869999072	Notion Press(23 Nov.2022)

Seminars, Conferences, Symposia Workshops etc., attended :

DATE	PROGRAMME	ORGANISED BY
30.9.2004-01.10.2004	UGC Sponsored State Level Conference on WOMEN EMPOWERMENT	Department of Tamil & Women Cell, E.M.G.Yadava Womens College
06.12.2004-10.12.2004	Training programme - Fruit and Vegetable Preservation & Nutrition	Ministry of HRD, Government of India
08.01.2010-09.01.2010	Workshop - Recent Techniques in Biotechnology	Department of Zoology, E.M.G.Yadava Womens College
27.9.2011 – 30.9.2011	Fourth International Ground Water Conference - Presented a Paper on “Toxicological Impact of Groundwater Pollutant on the Fresh Water Fish - Clarias batrachus ”	PG Research Center, Department of Zoology, Yadava College.
22-9-2012	Promoting Environment Education in Higher Education Institutions- UBCHEA	Lady Doak College, Madurai.
2013 to till date	Co-ordinator of Eco Club	E.M.G.Yadava Womens College
21.09.2013	Second International Conference of KAAS-2013 - Presented a Paper on “Accute toxicity bioassay of Fresh water air paper breathing Cat fish Clarias batrachus ”	Sree ayyappa college for women & Kanniyakumari Academy of Arts and Science (KAAS)
10.12.2013	Educator Skills Training programme in Freshwater Biodiversity and its conservation	Wildlife Information Liaison Development Society (WILD) at Adithanar College of Arts and Science, Trichendur.
20.03.2014 & 21.03.2014	National workshop “Analytical Method and Tools in Biological research”	Department of Zoology, Annamalai University
09.07.2014 to 12.07.2014	UBCHEA sponsored Training Programme on Environmental Impact Assessment - EIA	Centre For Environmental Studies , Lady Doack College, Madurai
29.07.2017	National level workshop on “Research Projects , Funding Agencies and E-Resources	Department of Zoology, Saiva Bhanu Kshatriya College, Aruppukottai
22.09. 2017	Seminar on “Meet The Scientists Programme for The Faculties of Life Sciences” . The meeting was presided by PadmaBhushanProf.G.P.Talwar, Founder Director, Talwar	The Department of Biotechnology , Madurai Kamaraj University

	<p>Research Foundation and Prof.D.N.Rao, Former Professor and Head,Department Of Biochemistry ,AIIMS ,New Delhi.</p> <p>The lecture focused its attention on development of dual purpose vaccine against Human Chronic Gonadotrophin (HCG) for preventing unwanted pregnancy and gamma,delta t-cells respectively.</p>	
07.11.2017	A one day workshop on “Stress and Coping Skills in The Context of Higher Education”	Centre for Educational Research,Madurai Kamaraj University, Madurai
20.12.2017	Seminar on “Enhancement of Quality of Curricula for Chairpersons and Members of UG/PG Boards of Studies”.	Dr.Mu.Va.Arangu, Madurai Kamaraj University, Madurai
25.01.2018 to 28.01.2018	Faculty Training programme on Academic leadership	Organised by Centre of Academic Leadership and Education Management, Aligarh Muslim University, Aligarh at Crescent College of Education For Women, Madurai.
07.03.2019 to 08.03.2019	Poster Presented on the Title - Complications Of Dengue Infection	Presented a poster in National Conference at The American College, Madurai
27.07.2019	1 day State level workshop - Reforms in curriculum design & evaluation based on OBE	IQAC & Controller of Examinations , the standard fireworks rajarathnam college for women, sivakasi
01.06.2020 to 30.06.2020	Certificate Course - Four Week International Faculty Development Online Certificate Course On Medical Microbiology	Department of Microbiology, Sacred Heart College, Thirupathur , Tamil Nadu, India In Association Withmicrobiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University(UEZO), Rio De Janeiro, Brazil
07.03.2022 to 11.03.2022	Certificate Course - Green Campus, Energy and Environment Management Audits	Jointly organised by Nature Science Foundation & Nehru Arts & Science College, Coimbatore.
14.03.2022 to	5day Faculty Development Programme - BIOTECHNOLOGICAL	STAR Centre,P.G and Research department of zoology ,ST,Mary’s

18.03.2022	INNOVATIONS IN HEALTH CARE	College(Autonomous),Thoothukudi sponsored by the department of biotechnology ,Ministryof Science and technology , New Delhi
24.05.2023 to 31.05.2023	7 days Online Short term certificate course on Microscopy – An overview	Department of Microbiology, Sacred Heart College (Autonomous), Thirupathur , Tamil Nadu, India In collaboration With Rio Janeiro State University(UERJ), Rio De Janeiro, Brazil and Biotechnology society of Nepal.

Orientation Programme, Refresher Courses attended:

S.No	Name of the course	Name of the academic staff college	Name of the university	Duration	Sponsoring agency
1.	Orientation programme	Madurai Kamaraj University	Madurai Kamaraj University	01.02.2001 to 28.02.2001	UGC
2.	Refresher course	Mother Teresa university	Mother Teresa university	26.08.2002 to 16.09.2002	UGC
3.	Refresher course	Madurai Kamaraj University	Madurai Kamaraj University	05.11.2003 to 25.11.2003	UGC
4.	Refresher course	Madurai Kamaraj University	Madurai Kamaraj University	23.08.2006 To 12.09.2006	UGC

REGIONAL/NATIONAL/INTERNATIONAL SEMINAR, WEBINAR,WORKSHOP, CONFERENCE & SYMPOSIUM ORGANISED			
S.NO	DATE	TITLE	EVENT NAME
1.	13.06.2020	World Environmental Day 2020 - Climate Change and Forestry	National Webinar
2	26.08.2020-30.08.2020	Sustenance of Agriculture through Vermitechnology	A Short Term Certificate Course 2020
3	23.08.2021	Status of Indian Fisheries Post Independence	Webinar
4	12.10.2021	Chemistry of Wild Life	Webinar-Wild Life Week Celebration
5	23.03.2021	Xenobiotics-Friend or Foe?	National Webinar
6	19.03.2022	Sparrow 2.0	World Sparrow Day

REVIEWER/ EDITOR/ IN JOURNALS AND BOOKS					
S.NO	POSITION	NAME OF THE JOURNAL/BOOK	NATIONAL	INTERNATIONAL	DURATION
1	REVIEWER	Research in Agricultural Sciences	-	International	2014-2015
2	EDITOR				
3	OTHERS				

LEADERSHIP/TEAM WORKING SKILLS			
S.NO	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ASSISTANT COORDINATOR/MEMBER)	DURATION MONTH/YEAR
1	National Service Scheme	Co-ordinator	2007-2009
2.	Students Service Organization	Co-ordinator	2010-2012
3.	Eco Club	Co-ordinator	2013 - 2015
4.	Calendar Committee	Co-ordinator	2015-2017
5	Screening Cum Evaluation Committee for the College Teachers	Acted as Convener	July 2022

LEADERSHIP/TEAM WORKING SKILLS			
S.N O	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ ASSISTANT COORDINATOR / MEMBER)	DURATI ON MONTH/YEAR
1	National Service Scheme	Co-ordinator	2007-2009
2.	Students Service Organization	Co-ordinator	2010-2012
3.	Eco Club	Co-ordinator	2013 - 2015
4.	Calendar Committee	Co-ordinator	2015-2017
5	Screening Cum Evaluation Committee for the College Teachers	Acted as Convener	July 2022

POSITIONS HELD AT OTHER INSTITUTIONS (BOS, ACM etc.,)			
S.NO	NAME OF THE INSTITUTION	POSITIONS HELD	DURATION MONTH/YEAR
1.	Madurai Kamaraj University	Member of the Boards of Studies in Zoology (PG)	July 2017 to June 2020
2.	Madurai Kamaraj University	Member of the Boards of Studies in Zoology(UG & P G)	2019-2020 onwards
3.	Sri Meenakshi college for women (Autonomous), Madurai.	University Nominee , board of studies in Zoology (UG & PG)	10.10.2018 to 09.10.2020
4.	Sri Meenakshi college for women	University Nominee in the board of studies in Zoology (UG & P G)	03.04.2019

	(Autonomous), Madurai		
5.	Madura College board ,Madurai	Subject Expert to select Assistant Professor of Zoology for the interview	17.02.18
6.	Sarasvathi Narayanan College	Subject Expert to select Assistant Professor of Zoology for the interview	24.10.18
7.	Sri Meenakshi college for women (Autonomous), Madurai	External practical examiner in Zoology (UG)	26.10.2018
8.	The American College, Madurai.	Subject expert by MKU, scrutinize the proposals for assistant professors for the implication of career advancement scheme	05.07.2019
9.	Madurai Kamaraj University, Madurai	Subject Expert in Board of Studies (PG) at the Department of Zoology	16.09.2019
10.	The Madura College, Madurai	Subject Expert to select Assistant Professor of Zoology for the interview	11.01.2021
11.	Wakf Board College, Madurai	External practical examiner in Zoology (UG)	26.04.2023 to 28.04.2023
12.	S.V.N College ,Madurai	Subject Expert in Board of Studies (UG & PG) at the Department of Zoology	07.06.2023
13.	Sarah Tucker College(Automous) Triunelveli	Subject Expert in Board of Studies (UG) at the Department of Zoology	12.07.2023

Innovations/Contributions in Teaching:

Design of Curriculum : Played an active role in syllabus framing

Teaching methods : Lecture, Notes, Seminars and group discussion etc.,

Laboratory experiments : Conducting practical classes for I,II and III year students,

Internal Examiner in practical Examination.

Evaluation Methods : Quiz, cycle tests, and three hours examination
Preparation of resource material including books regarding materials, laboratory manuals etc: Reference articles and notes to supplement lectures are prepared.

Remedial Teaching/Students

Counseling (academic) : Coaching and interaction

Participation in other College Activities

- Co-ordinator of **Eco Club** -
- Co – ordinator of **National Service Scheme**
- Co – ordinator of **Students Service Organization**
- Member of the college **Calendar Committee**

Participation as chief – Guest

- **Inagurated 22nd Science and Art Exhibition** at Bharat Vidya Mandir Matriculation School, Madurai.
- **Creating eco awareness programmes** to the general public to the nearby villages through NSS.

Participation in Board of Studies / Interview Board:

- Acted as **University Nominee** (UG& PG) at the Department of Zoology , **Sri Meenakshi Govt Arts College For Women** (autonomous), Madurai on 3.4.2019
- **Ph.D Guideship- Dr.G.Indira Rani**, Head & Associate Professor in Zoology is recognized as a supervisor to guide Ph.D registrants in Zoology of Madurai Kamaraj University(Ref:S6/Ph.D/Guide Recogn/2017)Zoology ID.NO:1852-reg.

- **Dr.G.Indira Rani** was elected as **Dean of Academic Affairs from June 2019 onwards.**

BEST FACULTY AWARD:

Recipient of BEST FACULTY IN ZOOLOGY – AWARD 2022 on the occasion of **5th International Conference “Multi Disciplinary Approach on Conservation of Nature and Traditional Ayush Medicine (CNRTSPA-2022)** held on 12,13 & 14 December jointly organized by William research centre Nagarcoil, Kanyakumari district , Vivekananda college, Agasteeswarm, Kanyakumari , “in association with **INDIAN SCIENCE CONGRESS ASSOCIATION** Chennai chapter (ISCA)”.