


## FACULTY PROFILE

### DEPARTMENT OF ZOOLOGY

#### I. PERSONAL DETAILS

<b>Name</b>	Dr.Mrs. G.INDIRA RANI	
<b>Designation</b>	Dean (Academic Affairs) , Head, Associate Professor Department of Zoology	
<b>Qualification</b>	M.Sc., M.Phil., Ph.D	
<b>Area of Specialization</b>	Environmental Toxicology	
<b>Mobile No.</b>	9488089002	
<b>e-Mail ID</b>	Institutional: <a href="mailto:g.indirarani-zoo@emgywomenscollege.ac.in">g.indirarani-zoo@emgywomenscollege.ac.in</a> Personal: <a href="mailto:ranima94@gmail.com">ranima94@gmail.com</a>	

#### II. EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE/DIPLOMA	NAME OF THE INSTITUTION/UNIVERSITY	YEAR OF PASSING
1.	High School	Board of Secondary Education, Tamil Nadu.	April 1984
2.	Higher Secondary	Board of Higher Secondary Education, Tamil Nadu.	April 1986
3.	Bachelor's degree (s)	Madurai Kamaraj University, Madurai	April 1989
4.	Master's degree (s)	Madurai Kamaraj University, Madurai	April 1991
5.	Research degree (s)	<b>M.Phil.</b> , - Manonmanium Sundaranar University, Thirunelveli	January 1993
6.		<b>Ph.D</b> – Madurai Kamaraj University, Madurai <b>Title :</b> Toxicological impact of the Pyrethroid insecticide <b>Karate</b> on some physiological aspects of the fresh water fish, <i>Clarias batrachus</i> .	October 2016 03.10.2016

### III. TEACHING EXPERIENCE

S.NO	TEACHING EXPERIENCE WITH NAME OF THE INSTITUTION	From-To	YEAR OF EXPERIENCE
1.	EMG Yadava Womens College	1996-Till Date	25 years 5 months

### IV. RESEARCH ACCOMPLISHMENTS

ORIENTATION/REFRESHER/MOOCs/FDP/ TRAINING PROGRAMMES ATTENDED			
S.NO	DATE	NAME OF THE COURSE/PROGRAMME	NAME OF THE INSTITUTION/UNIVERSITY
1.	01.02.2001 To 28.02.2001	Orientation programme	Madurai Kamaraj University
2.	26.08.2002 To 16.09.2002	Refresher course	Mother Teresa university
3.	05.11.2003 To 25.11.2003	Refresher course	Madurai Kamaraj University
4.	23.08.2006 To 12.09.2006	Refresher course	Madurai Kamaraj University
5.	06.02.2021 To 12.02.2021	FDP- Online Training Programme on the theme online Teaching/Learning/Evaluation from jointly organized by Centre for Academic Leadership and Education Management(CALEM)	Aligarh Muslim University and Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)ministry of Education,Government of India.
6.	07.03.2022 To 11.03.2022	Green campus, Energy and environment management Audits Certificate Course.	Natural science foundation & Nehru Arts & science college

**NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM ATTENDED**

S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1.	30.9.2004 To 01.10.2004	UGC Sponsored State Level Conference on Women Empowerment	State Level Conference	Department of Tamil & Women Cell, E.M.G.Yadava Womens College
2.	06.12.2004 To 10.12.2004	Fruit and Vegetable Preservation & Nutrition	Seminar	Ministry of HRD, Government of India
3.	08.01.2010 To 09.01.2010	Recent Techniques in Biotechnology	Seminar	Department of Zoology, E.M.G.Yadava Womens College
4.	27.9.2011 To 30.9.2011	Fourth International Ground Water Conference - Presented a Paper on "Impact of Water Quality on The Health of Aquatic Organisms"	International	PG Research Center, Department of Zoology, Yadava College.
5.	27.09.2011 To 30.09.2011	"Toxicological Impact of Ground water pollutant on the freshwater fish- <i>Clarias batrachus</i> " during the Fourth International Ground Water Conference	presented a paper in Conference	Yadava College, Madurai
5.	22.09.2012	Promoting Environment Education in Higher Education Institutions-UBCHEA	International	Lady Doak College, Madurai.
6.	21.09. 2013	"Acute Toxicity Bio assay of Lambda cyhalothrin on fresh water fish <i>Clarias batrachus</i> " during the International Conference of KAAS-2013	Presented a paper in International Conference	Sri. Ayyappa College, Nagercoil.
7.	10.12.2013	Educator Skills Training programme in Freshwater Biodiversity and its conservation	Training programme	Wildlife Information Liaison Development Society (WILD) at

				Adithanar College of Arts and Science, Trichendur.
8.	20.03.2014 & 21.03.2014	National workshop “Analytical Method and Tools in Biological research”	National workshop	Department of Zoology, Annamalai University
9.	09.07.2014 To 12.07.2014	UBCHEA sponsored training programme on Environmental Impact Assessment - EIA	Training programme	Centre For Environmental Studies , Lady Doack College, Madurai
10.	29.07.2017	National level workshop on “Research Projects , Funding Agencies and E-Resources	National level workshop	Department of Zoology, Saiva Bhanu Kshatriya College, Aruppukottai
12.	05.09. 2017	Quality Higher Education In Charging Times for college teachers in and around Madurai	District level	The programme was presided by the joint director of collegiate education Madurai at The American college , Madurai
13.	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 Research Foundation and Prof.D.N.Rao, Former Professor and Head,Department Of Biochemistry ,AIIMS ,New Delhi. The lecture foused its attention on development of dual purpose vaccine against Human Chronic Gonadotophin (HCG) for preventing unwanted pregnancy and gamma,delta t-cells respectively.	Seminar	The Department of Biotechnology , Madurai Kamaraj University
14.	25.09.2017	on “e-Learning and MOOCs in Higher Education and New Roles of Teachers”	seminar	E.M.G.Yadava Womens College,
15.	07.11.2017	Stress and Coping Skills in the context of Higher Education	Workshop	Centre for Educational Research (CER) of MKU, Madurai.

16.	25.01.2018 To 28.01.2018	Training programme on academic leadership	Faculty Training programme	Organized by Centre of Academic Leadership and Education Management, Aligarh Muslim University, Aligarh at Crescent College of Education For Women, Madurai.
17.	07.03.2019 To 08.03.2019	Complications Of Dengue Infection	Presented a poster National Conference	The American College, Madurai.
18.	01.06.2020 To 30.06.2020	International Faculty Development Online Certificate Course On Medical Microbiology	Certificate Course	Department of Microbiology, Sacred Heart College, Thirupathur , Tamil Nadu, India In Association With microbiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University(UEZO), Rio De Janeiro, Brazil
19.	27.07.2019	Reforms in curriculum design & evaluation based on OBE	One day State level workshop	IQAC & Controller of Examinations , the standard fireworks rajarathnam college for women, sivakasi
20.	07.03.2022 To 11.03.2022	Green Campus, Energy and Environment Management Audits	Certificate Course	Jointly organized by Nature Science Foundation & Nehru Arts & Science College, Coimbatore.

**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

**ACTED AS RESOURCE PERSON IN OTHER INSTITUTION**

S.NO	DATE	TITLE OF THE PROGRAMME/ EVENT NAME	NAME OF THE INSTITUTION	DISTRICT/STATE/NATIONAL/INTERNATIONAL
1.	07.01.2017	Acted as a Resource speaker. Inaugurated the 22 <sup>nd</sup> Science and Art Exhibition	Bharat Vidya Mandir Matriculation School, Madurai.	District
2.	2007-2009	Creating eco awareness program mes	General public of the nearby villages through NSS	District

**ARTICLES PUBLISHED IN JOURNALS / MAGAZINES**

S.NO	TITLE WITH (DOI)	NAME OF THE JOURNAL/ MAGAZINE	NATIONAL/ INTERNATIONAL	IMPACT FACTOR	SCOPUS	CITATION INDEX	h-index	VOLUME, ISSUE, MONTH & YEAR
1.	Behavioural responses and acute toxicity of <i>Clarias batrachus</i> to synthetic pyrethroid insecticide, $\lambda$ - cyhalothrin.	Journal of Environmental and Applied Bio research.	National	-	-	-	-	Vol. 0 2, No. 0 1, pp. 19 – 24. ISSN: 2 3 1 9 - 8 7 4 5. 2014
2.	Effect on growth and food utilization induced by pyrethroid insecticide in <i>Clarius batrachus</i> .	Int. J. Rev. Life. Sci.,	International	-	-	-	-	3(2), 2013, 1-6. ISSN 2231-2935. 2013
3.	Effect of parathion on gills of field crab <i>Paratelphusa hydrodromus</i>	Journal of Eco toxicology and Environmental Monitoring.	National	-	-	-	-	2(1), pp 19-21.1992.

**GRANTS RECEIVED FOR RESEARCH PROJECTS - SEED MONEY / MINOR / MAJOR / NGOs / AGENCIES etc.**

S.NO	YEAR	TITLE OF THE PROJECT	NAME OF THE FUNDING AGENCY	GRANT RECEIVED	STATUS (APPROVED / ONGOING / COMPLETED)
1.	2013	Essentials of Environmental Education – Chapter III	UBCHEA Sponsored – United Board for Christian Higher Education in Asia	Rs .50,000 /-  (to the institution )	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	Essentials of Environmental Education	Chapter III - Ecosystem	National	Centre For Environmental Studies, Lady Doak College, Madurai		2014

**LEADERSHIP / TEAM WORKING SKILLS**

S.NO	CELL / CLUB / COMMITTEE / ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR / ASSISTANT COORDINATOR / MEMBER)	DURATION MONTH / YEAR
1	National Service Scheme	Coordinator	2007-2009
2.	Students Service Organization	Coordinator	2010-2012
3.	Eco Club	Coordinator	2013 - 2015
4.	Calendar Committee	Coordinator	2015-2017

**POSITIONS HELD AT OTHER INSTITUTIONS (BOS, ACM etc.,)**

S.NO	NAME OF THE INSTITUTION	POSITIONS HELD	DURATION MONTH/YEAR
1.	Madurai Kamaraj University	<b>Member</b> of the Boards of Studies in Zoology (PG)	July 2017 to June 2020
2.	Madurai Kamaraj University	<b>Member</b> of the Boards of Studies in Zoology(UG & P G)	2019-2020 onwards
3.	Sri Meenakshi college for women (Autonomous), Madurai.	<b>University Nominee</b> , board of studies in Zoology (UG & PG)	10.10.2018 to 09.10.2020
4.	of Sri Meenakshi college for women (Autonomous), Madurai	<b>University Nominee</b> in the board of studies in Zoology (UG & P G)	03.04.2019
5.	Madura College board ,Madurai	<b>Subject Expert</b> to select Assistant Professor of Zoology for the interview	17.02.18
6.	Sarasvathi Narayanan College	<b>Subject Expert</b> to select Assistant Professor of Zoology for the interview	24.10.18
7.	Sri Meenakshi college for women (Autonomous), Madurai	<b>External practical examiner</b> in Zoology (UG)	26.10.2018
8.	The American College, Madurai.	<b>Subject expert by MKU</b> , scrutinize the proposals for assistant professors for the implication of career advancement scheme	05.07.2019
9.	Madurai Kamaraj University, Madurai	<b>Subject Expert in Board of Studies</b> (PG) at the Department of Zoology	16.09.2019
10.	The Madura College, Madurai	<b>Subject Expert</b> to select Assistant Professor of Zoology for the interview	11.01.2021

**ICT ENABLED TEACHING METHODS**

S.NO	
1.	Power point presentation (LCD)
2.	Over Head Projector
3.	Online teaching method- Google Meet



**COLLABORATIVE ACTIVITIES IN OTHER INSTITUTION – EXTENSION/ CONSULTANCY**

S.NO	DATE	TITLE	NAME OF THE INSTITUTE/CORPORATE/ ADOPTED VILLAGE
1.	12.09.2018	Acted as convenor Extension programme	IX standard students in Sri. Gopalakrishna Kone, Higher Secondary School, Siruthur, Madurai.
2.	19.03.2020	Acted as convenor Extension programme	IX standard students from Sri. Gopalakrishna Kone, Higher Secondary School, Siruthur, Madurai
3.	27.02.2022	Acted as convenor Consultancy Program	Primary Health Centre , Kallanthiri, Madurai

**V. COMPUTER SKILLS**

**COMPUTER LANGUAGE/TECHNICAL SKILLS**

S.NO	
1.	Excell in MS Office

**VI. LANGUAGE PROFICIENCY**

S.NO	LANGUAGE	SPEAK	READ	WRITE
1.	Tamil	✓	✓	✓
2.	English	✓	✓	✓
3.	Hindi	✓	-	-

**VII. OTHER SKILLS**

S.NO	SKILLS
1.	Recognized as a <b>Supervisor to guide Ph. D.,registrants</b> in zoology of MKU (Ref: S6/ Ph.D, /Guide Recogn / 2017).