



SHRIMATI INDIRA GANDHI COLLEGE

(Affiliated to Bharathidasan University)

Nationally Accredited at 'A' Grade (4th Cycle) by NAAC | An ISO 9001 : 2015 Certified Institution
Tiruchirappalli - 620 002

Name : Dr. R. Nithyatharani
Designation : Assistant Professor
Department : PG and Research Department of Microbiology
Qualification : M.Sc., M.Phil., Ph.D., ICAR -NET
Experience : Teaching: 10 Research: 5
Area of Specialization(s) : Environmental Microbiology
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
NET	-	ICAR	2019
Ph. D (Microbiology)	SengamalaThayaar Educational Trust Womens College- Mannargudi	Bharathidasan University	2012
M. Phil (Microbiology)	Centre for Distance Education	Bharathidasan University	2007
M. Sc (Microbiology)	SengamalaThayaar Educational Trust Womens College- Mannargudi	Bharathidasan University	2006
B. Sc (Microbiology)	Shrimathi Indira Gandhi College- Trichy	Bharathidasan University	2004

Research Publications (Indexed)

International

Nithyatharani Ramalingam, (2024). Hypolipidemic and Cardioprotective efficacy of *Peltophorum pterocarpum* linn in doxorubicin induced cardiotoxicity in rats. Indian Journal of Animal Research

Participation in Conference

International:

1. R.Nithyatharani, V.Dhivaharan and V.B.Hosagoudar. Asterinales of Kodaikanal, Tamil Nadu. International Conference at Dhanalakshmi Srinivasan Arts and Science College for Women, Perambalur. 6th March 2017.
2. R.Nithyatharani, Priyadharshini. P and P. Seethalakshmi. Antidiabetic potential of Medicinal Plants. International Conference on “Interdisciplinary approaches in Biological Sciences for Innovative Research”, ICIBIR-2024 by Shrimati Indira Gandhi College, Tiruchirappalli on 27-09-2024.
3. R.Nithyatharani, V. Gowri and M. Sowmiya. Cancer Biology. International Conference on “Interdisciplinary approaches in Biological Sciences for Innovative Research”, ICIBIR-2024 by Shrimati Indira Gandhi College, Tiruchirappalli on 27-09-2024.
4. R.Nithyatharani, M. Sowmiya and V. Gowri. Recent Trends in Biotechnology. International Conference on “Interdisciplinary approaches in Biological Sciences for Innovative Research”, ICIBIR-2024 by Shrimati Indira Gandhi College, Tiruchirappalli on 27-09-2024.
5. R.Nithyatharani, P. Seethalakshmi and Priyadharshini. P. Recent Advances in Nanotechnology. International Conference on “Interdisciplinary approaches in Biological Sciences for Innovative Research”, ICIBIR-2024 by Shrimati Indira Gandhi College, Tiruchirappalli on 27-09-2024.
6. Nithyatharani. R, Mano Ranjani, Ranjani, Santhiya. Improving the Plant Health using *Azotobacter* as an potential Bio-Fertilizer for Soil. International Virtual Conference on Exploring the Frontiers of Life Sciences: Interdisciplinary Perspectives at Seethalakshmi Ramaswami College, Tiruchirappalli, Tamilnadu, India on 23.12.2024
7. Geetha. S, Rhama. S, Nithyatharani. R, Manikandan. R. Antioxidant potential of *mentha piperita* leaves in an invitro model. International Virtual Conference on Exploring the Frontiers of Life Sciences: Interdisciplinary Perspectives at Seethalakshmi Ramaswami College, Tiruchirappalli, Tamilnadu, India on 23.12.2024.
8. Nithyatharani. R, Akalya. M, Athisha iswariya jeevan. J, Jansi. M. Enhancing the microbial activity using vermicompost. International Virtual Conference on Exploring the Frontiers of

Life Sciences: Interdisciplinary Perspectives at Seethalakshmi Ramaswami College, Tiruchirappalli, Tamilnadu, India on 23.12.2024.

9. Nithyatharani. R, Subashini. G, Vaishali. S, Kavya. A, Logeswari. K. Conversion of agro waste to activated carbon. International Virtual Conference on Exploring the Frontiers of Life Sciences: Interdisciplinary Perspectives at Seethalakshmi Ramaswami College, Tiruchirappalli, Tamilnadu, India on 23.12.2024.

National:

1. Nithyatharani.R and Vasanthi.T. Isolation and characterization of different *Rhizobium* from *Pithecolobiumdulce* (Benth) and *Erythrinaindica* (LAM) and their effects on nodulation, nitrogen fixation and crop improvement in black gram *Vigna mungo* (LIM). National level symposium at Shrimad Andavan Arts and Science College, Tiruchirappalli.Oct 2005. Abstract No.2, PP-32.
2. Nithyatharani.R, Subashini. G, Abirami. K, Vaidhegi. A. National Seminar on “Impact of Non-Communicable Diseases in India” held on 11.10.2023 at Shrimati Indira Gandhi College, Trichy-02

Invited Speaker / Session Chair- Conference / Seminar / Workshop

1. Resource Person for “Bioprospecting potential of Microbiome” at STET Women’s College, Mannargudi on 18-09-2024.
2. Chairperson for various events in the International Tiger Day Programme on 29-07-2024 at Nehru Memorial College, Puthanampatti
3. Resource Person for “Food Microbiology with reference to Environmental Biotechnology” at National Webinar at MBSI on 09-06-2024.
4. Resource Person for “Nurturing Research Methodology in Microbiology for Tomorrow’s Innovators” organized by Excel College, Namakkal on 09-02-2024.
5. Resource person for International E-Conference on Innovation in Lifesciences (IECILS-2023) at Sacred Heart College on 15-10-2023.
6. Invited talk on ‘Microbial Biotechnology for sustainable Agricultural Production’ at Bharathidasan University PG Extension Centre, Kurumbalur on 21-03-2023.
7. Invited talk on ‘Eco-friendly Areality’ at Thanthai Hans Rover College, Perambalur on 02-02-2023.
8. Invited Talk on ‘Nano-Bio-fertilizers’ at B.K. Birla College, Kalyan, Mumbai on 26-03-2021
9. Invited Talk on ‘Organic Farming for a better tomorrow’ at Sri Krishna Adithya College of Arts & Science, Coimbatore on 25-09-2021.

10. Invited Talk on 'Micro-organisms-The Omnipresent' at Excel College for Commerce & Science on 22-09-2021.

VIRTUAL TRAINING PROGRAM

S. No	Topic	Date	Place
1.	NEP 2020 Orientation & Sensitization Programme under Malviya Mission Teacher Training Programme (MM-TTP) of UGC.	05-02-2024 to 14-02-2024	Organized by UGC-MMTTC, Bharathidasan University, Tiruchirappalli

VIRTUAL FDP- INTERNATIONAL

S. No	Topic	Date	Place
1.	Five-day International Virtual Faculty Development Programme on Recent Trends in Biological Sciences	16-10-23 To 20-10-23	SRC College, Trichy
2	Six-day International Virtual Faculty Development Programme on Biotechnology for Entrepreneurship	20-11-2023 to 25-11-2023	Bon Secours College, Thanjavur
3	Five - Day Virtual Faculty Development Programme on "Recent Advances in chemical Sciences	27.11.2023 to 01.12.2023	KSR college of Arts and Science for Women
4.	One Week Online FDP on Green Biotechnology and Bioenergy from	18-12-2023 to 24-12-2023	Arunai Engineering College, Thiruvannamalai association with Biotech Research Society (BRSI) India,

			Indian Society for Technical Education (ISTE).
5	One Week faculty development program on “Recent Trends in Bioprocess technology	15-01-24 to 19-01-24	Sinhgad College of Engineering
6	Five days International virtual ‘Professional Development Programme’ on Developing your professional edge: Strategies for career growth and financial success	08-01-2024 to 12-01-2024	PPG College of Arts & Science, Coimbatore
NATIONAL FDP			
1.	Faculty Development Programme on Ensuring Research Integrity: A Digital Hygiene Approach with Blockchain Technology	26-02-2024 to 01-03-2024	Sri Krishna Arts & Science College
FDP			
1.	Five days FDP on Redefining Research Skills, Enriching Research & Publications	April, 2024	SIGC, Trichy
CONFERENCE-INTERNATIONAL			
1.	Inspiring Microbiome for the future generation	26 th & 27 th February	STET Women’s College Mannargudi
SEMINAR-NATIONAL			
1.	ICSSR Sponsored- Impact of Non Communicable diseases in India	11-10-2023	Department of Biochemistry- Shrimati Indira Gandhi College, Trichy

WORKSHOP- INTERNATIONAL			
1.	Five days online workshop on SPSS in Research	26-12-2023 to 30-12-2023	Star International Foundation for Research and Education
WEBINAR- NATIONAL			
1.	One Day National Webinar on Consumer Rights and Education	19-10-2023	KMG Arts and Science
2.	National Webinar on 'Interdisciplinary Approaches in Biology'	06-12-2023	Jayaraj Annapackiam College for Women (Autonomous), Theni Collaboration with Christ College Irinjalakuda, Kerala
3.	Two days 'Expo and Invited Talk'	29-12-2023 & 30-12-2023	IIC of PRIST, Thanjavur
WEBINAR INTERNATIONAL			
4.	Agents of Bioterrorism and their transmission	23-12-2023	Telangana Social Welfare Residential Degree College for Women, Sircilla

FDP			
S. No	Topic	Date	Place
1.	Seven days Faculty Development Programme on Understanding Outcome based Education	10-06-24 To 18-06-24	SIGC, Trichy
WEBINAR- NATIONAL			
1.	Outcome Based Education	22-06-2024	Dr. M.G.R. Educational & Research Institute
1.	Cyber Literacy	14-12-2024	Rev. Jacob Memorial College
2.	Effective Communication and Presentation skills	24-11-2024	AGAR, TamilNadu
VIRTUAL CONFERENCE- INTERNATIONAL			
1.	Innovation in Life Sciences	15-12-2024	Sacred Heart College, Tirupattur in association with AGAR
2.	Exploring the frontiers of Life Sciences: Interdisciplinary Perspectives	23-12-2024	Seethalakshmi Ramalakshmi College

Sl.No	JOURNAL NAME	INDEXED IN
1.	Journal of Basic Microbiology	Wiley
2.	International Microbiology	Springer
3.	Environmental Science and Pollution Research	Springer
4.	Energy Nexus	Elsevier
5.	South African Journal of Chemical Engineering	Elsevier
6.	Clean Soil Air Water	Wiley
7.	IJCRT	UGC
8.	Science Insights	-
9.	Agricultural Research Communication Centre (ARCC)	WOS-SCI
10.	Indian Journal of Agricultural Research	WOS-SCI
11.	Asian Journal of Biochemistry, Genetics and Molecular Biology	-
12.	Journal of Applied and Natural Science (JANS)	Scopus till 2023