Dr. Manikandan Rajendran, Ph.D., *Assistant Professor*
Rathinam College of Arts and Science
Coimbatore-641 021, Tamil Nadu, India
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Dr Manikandan Rajendran

Profile

Highly skilled and motivated Biologist with strong analytical and problem solving abilities across diverse biological fields. Independent and goal-driven team player with a proven ability to collaborate effectively across disciplines

Professional Experience

06/2025 – Present
Rathinam College of Arts and Science, Coimbatore-641 021, Tamil Nadu, India
- Academic duties, to educate Graduate & Post Graduate students
- Mentoring and guidance to preform research.
- Got research grant from DST-SERB & 3 TNSCST student project
- Organized National, International Seminars & Workshops.

11/2019 – 6/2025
Salem, Tamil Nadu, India
Padmavani Arts and Science College for Women (Autonomous), *Assistant Professor*
- Academic duties, to educate Graduate & Post Graduate students
- Dean of Research and Development & in-charge of NAAC Criteria III
- Guiding two Ph.D., Research Scholars
- Construct a research plan for doctoral research scholars.
- Mentoring and guidance to preform research.
- Got research grant from DST-SERB & 3 TNSCST student project
- Organized National, International Seminars & Workshops.

07/2019 – 09/2019
Thiruchengode, Tamil Nadu, India
K. S. R. College of Arts and Science, *Assistant Professor*
- Academic duties, to educate Graduate & Post Graduate students
- Mentoring and guidance to preform research.

04/2017 – 06/2019
Hunan Province, R.P. China
Central South University, *Postdoctoral Fellow*
- Development of new biological materials for removal of environmental contaminants from soil and water bodies
- Martials characterization by FTIR, XRD, XPS, SEM & EDX
- Determination of heavy metals by Atomic adsorption spectroscopy (AAS)
- Hydroponics system & Plant physiological, Biochemical and molecular analysis.

08/2016 – 03/2017
Salem, Tamil Nadu, India
Sri Ganesh College of Arts and Science, *Assistant Professor*
- Academic duties, to educate Graduate & Post Graduate students
- Organized National and International Seminars

08/2012 – 06/2015
Salem, Tamil Nadu, India
Periyar University & PSGR Krishnammal College for Women, *Project Fellow*
- Determination of heavy metals by Atomic adsorption spectroscopy (AAS)
- Hydroponics system & Plant physiological, Biochemical and molecular analysis.
- Mentoring pre-graduate, master students and planned execution of designedprojects.

Education

2011-2016
Salem, Tamil Nadu
India

Periyar University, *Ph.D., Biotechnology*

Thesis: "Studies on cadmium, chromium and lead heavy metal toxicity induced biochemical and molecular changes and lead nanoparticle synthesis in vetiver (*Chrysopogon zizanioides* (L.) Roberty"

- Determination of water and soil quality in and around Coimbatore, Tamil Nadu
- Determination of heavy metals by Atomic adsorption spectroscopy (AAS)
- Hydroponics system & Plant physiological, Biochemical and molecular analysis
- Isolation of DNA from plant sample and PCR amplification
- Assay of antioxidative enzymes activity and isozyme analysis (native PAGE)
- Synthesis metal nanoparticles by agricultural waste and characterization of metal nanoparticles by FTIR, XRD, SEM & EDX
- The designed and performed doctoral research project was highly commended by examiners and the research findings were published in reputed journals

2009 – 2010
Salem, Tamil Nadu
India

Periyar University, *M.Phil., Biotechnology*

Thesis: "Impact assessment of mercury ion exposure on *Mentha arvensis* seedlings at biochemical and molecular levels using RAPD analysis"

- Hydroponics system & Plant physiological, Biochemical and molecular analysis Studied toxicity and chemo-protective properties of Pelargonidin on coloncancer models.
- Determination of heavy metals by Atomic adsorption spectroscopy (AAS)
- Hydroponics system & Plant physiological, Biochemical and molecular analysis
- Isolation of DNA from plant sample and PCR amplification

2006-2008
Nammakkal,
Tamil Nadu, India

Mahendra Arts and Science College, *M.Sc., Biotechnology*

Thesis: "Screening of antioxidant potential of probiotics through paracetamol induced oxidative stress in albino rats"

- Animal handling
- Liver function tests
- Biochemical tests

2003-2006
Thanjaur,
Tamil Nadu, India

Marudupandiyar Arts and Science College, *B.Sc., Microbiology*

List of funded projects

S.No.	Funding Agency	Title of project	Budget (Rs. In lakhs)	Year
1.	**DST-SERB- EEQ**	Impending application of magnesite mine waste to augment the agricultural soil fecundity in and around the Salem magnesite mines **–[Principal Investigator]**	**28.34**	**2022-2025 (Completed)**
2.	Tamil Nadu State Council for Science and Technology (Student Project)	Evaluation of low cost materials and bacterial strains isolated from contaminated industrial waste water to simultaneously biodegrade industrial dye effluents - [**Principal Investigator**]	0.075	2023- 2024 (Completed)
3.	Tamil Nadu State Council for Science and Technology (Student Project)	Risk assessment of fluoride contamination in ground water in and around Salem District and screening of fluoride Hyperaccumulators - A green Phytoremediation Approach -[**Principal Investigator**]	0.075	2022- 2023 (Completed)
4.	Tamil Nadu State Council for Science and Technology (Student Project)	Risk assessment of antibiotic residues in animal derived foods in and around Salem district and isolation of antibiotic degradation bacteria – A growing concern for food safety -[**Principal Investigator**]	0.075	2021- 2022 (Completed)

Ph.D., Thesis Supervised

1. **Dhivya. S** (Reg.No: PUAJ220150506) – Thesis title: Studies on Potential Application of Magnesite Mine Waste to Improve the Agricultural Soil Fertility and Plant Growth: A Biotechnological Approach- Doing
2. **Sowndarya. P** (Reg.No: PUAD220150664) - Thesis title: Supplementation of Green Synthesized Metal Nanoparticles Composited with Biochar: A Biotechnological Approach –Doing

Details of Seminars/Workshop Organized

1. Organised an International **Seminar on "Nuance in Life Sciences" (NLS - 2017)**" at Sri Ganesh College of Arts and Science, Salem on February 09th 2017.
2. Organised a National Seminar on **"Recent Trends In Environmental Microbial -Biotechnology"** at Padmavani Arts and Science College for Women, Salem-11 on March 18th 2022.
3. Organised a Two days State level workshop on "**EAT, CNA & SNA: Dos and Don'ts on PFMS**, Padmavani Arts and Science College for Women, Salem-11 on 19-20th May 2022.
4. Organised a **Hands - on Workshop on Molecular Biology Techniques** at Padmavani Arts and Science College for Women, Salem-11 on August 29th 2022.
5. Organised a DST – SERB Sponsored One Day Research Facility Training Program On "Environmental Toxicology Analysis, Padmavani Arts and Science College for Women, Salem-11 on 7th February 2023.
6. Organised a National Seminar on **"Next Gen Tech-Revolutionizing Agricultural**, **Health and Environment"** at Padmavani Arts and Science College for Women, Salem-11 on August 9th 2024.
7. Organised a National Seminar on ***"Environmental Microbiomes and Cervical Cancer: Biotech Insights"*** at Padmavani Arts and Science College for Women, Salem-11 on 25th February 2025.

Publications

1. Lavanya M, **Manikandan R**, Vivekanandan K.E, Sabariswaran K, Gayathri K, Rathinam R, Kavitha R (2025) Amendment of biochar and thiourea-modified biochar to mitigate chromium bioavailability and toxicity by modulating oxidative stress system in *Vigna radiata* in chromium-contaminated agricultural soil. Environmental Science and Pollution Research, 32:20427–20440.
2. P. Sowndriya and **R. Manikandan**, 2025. Assessment of soil fertility and heavy metal pollution using contamination factor, pollution load index and statistical analysis in agriculture soil nearby industrial area of Salem District, Tamil Nadu, India, Journal of Chemical Health Risk. (Accepted).
3. Dhivya, S., Kalaiarasi, K., Sowndarya, R., Valarmathi, R., Harikrishnaraj, R., & **Manikandan, R**. (2024). Impact of mining activities on human health and agriculture soil fertility in and around the magnesite: A review of the current state of knowledge. *Kristu Jayanti Journal of Core and Applied Biology*, *4*(1), 17–27.
4. A Sakthi Thesai, A., Ragavendra, C., Kamaraj, C., Sundaram, R., Mohankumar, P., **Manikandan, R.**, Ayyasamy, P. M., de Matos, L. P., & Malafaia, G. (2023). Studying the effects of Aspergillus niger (MF431834) dead biomass on water defluoridation in batch and bed column: Adsorption kinetics, characterization, genotoxicity studies. Journal of Water Process Engineering, 55, 104141. https://doi.org/10.1016/j.jwpe.2023.104141.
5. M**anikandan R**, Selvaraj Bharathi, Maryium Sajjad, Gadahalbasher, Jintae Lee. 2022. Adsorption of As(III) and As(V) by Fe/C composite nanoparticles synthesized via a one-pot hydrothermal approach without the addition of carbon sources. Environmental Research, 214, 2, 113899, (**IF.: 7.7**).
6. M. Gnanaraj, C. Sneka , **R. Manikandan** , T. Muneeswaran. 2022. Polyethylene glycol induced somatic embryogenesis and plant regeneration from cotyledons of *Vigna radiata* (L.) Wilczek. South African Journal of Botany 150; 721-730. (**IF.: 2.7**).
7. Rachana V. Nair, **R. Manikandan**, Maghimaa Mathanmohun and S. Selvakumar. 2022. Isolation, Screening and Optimization of Penicillin Degrading Bacterial Strains from Poultry Manure, Municipal and Industrial Waste. Res. Jr. of Agril. Sci. 13(1): 208–210.
8. Pan W, Wu K, **R. Manikandan**, Li W and Wu C. 2021. Pan W-S, Wu K-K, Rajendran M, Li W-C and Wu C. Manganese Hyperaccumulators and their Hyperaccumulating and Tolerance Mechanisms: A Review of the Current State of Knowledge. Ann Agric Crop Sci. 2021; 6(7): 1099. (**IF.: 2.8**).
9. Nivedhitha Kabeerdass, Ahmed Al Otaibi, **Manikandan Rajendran**, Ayyar Manikandan, Heba A Kashmery, Abdullah M Asiri, Maghimaa Mathanmohun. 2021. Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. Antibiotics, 10, 1334, PubMet. (**IF.: 4.6**).
10. R. Harikrishnaraj, R. Ramkumar, R. Valarmathi, K. Kalaiarasi, S. Ponmani**, R. Manikandan** and T. Natarajan. 2021. Application of Antibiotics in Food Animals Production and its Impact on Human Health and Bioremediation Approaches – A Review. Res. Jr. of Agril. Sci. 12: 1987–1992.
11. Ramsi Vakayil, Kabeerdass, **Manikandan Rajendran,** Anil Srinivasan Maghimaa Mathanmohun. 2021. *Acorus calamus*-zinc oxide nanoparticle coated cotton fabrics shows antimicrobial and cytotoxic activities against skin cancer cells. Process Biochemistry. 2011. 111. (**IF.: 3.8**).
12. **Manikandan Rajendran**, Lizheng Shi, Chuan Wu, Waichin Li, Wenhui An, Ziyu Liu, Shengguo Xue. 2019. Effect of sulfur and sulfur-iron modified biochar on cadmium availability and transfer in the soil-rice system**. Chemosphere,** 222, 314-322. (**IF.: 8.1**).
13. **Manikandan Rajendran**, Wenhui An, WaiChin Li, Venkatachalam Perumal, Chuan Wu, Shivendra Vikram Sahi, Santosh Kumar Sarkar. 2019. A chromium detoxification mechanism induced growth and antioxidant responses in vetiver (*Chrysopogon zizanioides* (L.) Roberty). **Journal of Central South University**, 26: 489-500. (**IF.: 3.7**).
14. **Manikandan Rajendran,** N. Ezhili, P. Venkatachalam. 2016. Phosphorus supplementation alleviates the cadmium induced toxicity by modulating oxidative stress mechanisms in vetiver grass (*Chrysopogon zizanioides*). **Journal of Environmental Engineering**, C4016003, 1-10, (ASC). (**IF.: 1.8**).

15. Chuan Wu, Lizheng Shi, Shengguo Xue, Waichin Li, Xingxing Jiang, **Manikandan Rajendran**, Ziyan Qian. 2019. Effect of sulfur-iron modified biochar on the available cadmium and bacterial community structure in contaminated soils. **Science of the Total Environment**, 647, 1158–1168. (**IF.: 8.2**)

16. Jun Wang, Qingyu Cheng, Shengguo Xue, **Manikandan Rajendran**, Chuan Wu, Jiaxin Liao. 2018. Pollution characteristics of surface runoff under different restoration types in manganese tailing wasteland. **Environmental Science and Pollution Research**. doi.org/10.1007/s11356-018-1338-2. (**IF.: 5.8**).

17. Jun Wang Xinghua Luo, Yifan Zhang, Yanhong Huang, **Manikandan Rajendran**, Shengguo Xue.2018. Plant species diversity for vegetation restoration in manganese tailing wasteland. **Environmental Science and Pollution Research**. https://doi.org/10.1007/s11356-018-2275-9.(**IF.: 5.8**).

18. Jiaxin Liao, Jun Jiang, Shengguo Xue, Qingyu Cheng, Hao Wu, **Manikandan Rajendran**, William Hartley, Longbin Huang. 2018. A novel acid-producing fungus isolated from bauxite residue: the potential to reduce the alkalinity. **Geomicrobiology Journal**. DOI: 10.1080/01490451.2018.1479807. (**IF.: 2.4**).

19. Karpagam P, **Manikandan Rajendran,** S. Selvakumar. 2019. Decolorization and Bioremediation of Textile Dye Effluent by Bioreactors Containing Novel Bacterial Consortium (KDDBO4, KDDBO5, KDDBO8 and KDDB11) and its Effect on Phytotoxicity. Research Journal of Chemistry and Environment. 23 (3): 45-49. (**IF.: 0.636**).

20. **Manikandan Rajendran**, N. Ezhili, N. Muthulakshmiandal, Paulo J. C. Favas P. Venkatachalam. 2016. Assessment of Physicochemical Characteristics and the Level of Nutrient Contents as Well as Heavy Metal Ions in Waters of Three Lakes at Coimbatore, Tamil Nadu, India. Journal of Materials and Environmental Science, 7 (7), 2259-2266. (**IF.: 1.2**).

21. P. Venkatachalam , M. Jayaraj, **Manikandan Rajendran,**, N. Geetha, Eldon R. Rene, N.C. Sharma, S.V. Sahi. 2016. Zinc oxide nanoparticles (ZnONPs) alleviate heavy metal-induced toxicity in *Leucaena leucocephala* seedlings: A physiochemical analysis. **Plant Physiology and Biochemistry**. (**IF.: 3.4**).

22. **Manikandan Rajendran**, S. Selvakumar, S. Kalaichelvi and N. Ezhili. 2016. Zooplankton diversity and seasonal variation of three lakes in Coimbatore, Tamil Nadu, India. Journal of Academia and Industrial Research (JAIR).5, 3, 40-44.

23. **Manikandan Rajendran,** S. V. Sahi and P. Venkatachalam. 2015. Impact assessment of mercury accumulation and biochemical and molecular response of *Mentha arvensis*: A potential hyperaccumulator plant. **The Scientific World Journal**. Article ID 715217, Doi.org/10.1155/2015/715217. (**IF.: 1.7**).

24. S. Malar, **Manikandan Rajendran**, Paulo J.C. Favas, Shivendra V. Sahi, P. Venkatachalam (2014). Effect of lead on phytotoxicity, growth, biochemical alterations and its role on genomic template stability in *Sesbania grandiflora*: A potential plant for phytoremediation. **Ecotoxicology and Environmental Safety**. 108, 249–257 (**IF 3.1**).

25. **Manikandan Rajendran**, S. Kalaichelvi, N. Ezhili. 2014. Potential ecological assessment of sediment quality and heavy metals contamination in Kuruchi Lake, Tamil Nadu, India. J. Mater.Environ. Sci. 5 (4), 1119-1124. (**IF.: 1.2**)

26. R. Ilangovan, **Manikandan Rajendran**, N. Ezhili, K. Subramaniam. 2014. Studies on phytoplankton population and species diversity in three wetlands of Coimbatore, Tamil Nadu, India. International Journal of Current Research, 6(8), 7968-7972.

27. **Manikandan Rajendran**, N. Ezhili, N. Muthulakshmi Andal and P. Venkatachalam 2013, Combined effect of phosphorus and lead heavy metal ions on growth and biochemical changes in vetiver grass (*Vetiveria zizanioides*). New Horizons in Biotechnology and Bionanomedicines (NHBB 2013). Page No. 225 -232.

28. **Manikandan Rajendran** and P.Venkatachalam. 2013. Application of Random Amplified Polymorphic DNA (RAPD) analysis to detect the genotoxic effect of mercury (Hg) heavy metal stress on *Mentha arvenvsis* seedlings. Inter. J. Plant Cell Biotech. Mole. Biol 14(3&4):84-89. (NAAS rating 3.2).

29. N. Ezhili, **Manikandan Rajendran** and R. Ilangovan. 2013. Diversity and Seasonal Variation of Zooplankton in Ukkadam Lake, Coimbatore, Tamil Nadu, India. International Journal of Current Research, 5(8) 2091-2094, 2013.
30. N. Ezhili, **Manikandan Rajendran** and P.Venkatachalam 2012. Effects of phosphorus on physiological, photosynthetic pigments and oxidative status in Vetiver grass (*Vetiveria zizanioides* L.) under lead (Pb) treatment. International Conference on Biotechnology, Biological and Biosystems Engineering (ICBBBE'2012) December 18-19, 2012 Phuket (Thailand).
31. J. Jerlin Showmya, K. Harini, M. Pradeepa, M. Thiyagarajan, **Manikandan Rajendran,** P.Venkatachalam and N. Geetha 2012. Rapid green synthesis of silver nanoparticles using seed extract of *Foeniculum vulgare* and screening of its antibacterial activity. Inter. J. Plant Cell Biotech. Mole. Biol. 13:27-32. (NAAS rating 3.2).
32. **Manikandan Rajendran**, and P. Venaktachalam, 2011. Risk assessment of mercury ion heavy metal exposure on physiological, biochemical changes and DNA damage using RAPD analysis in *Mentha arvensis* seedlings. Plant Cell Biotech. Mol. Biol. 11:31-39. (NAAS rating 3.2).

Book Chapter Publications

1. M. Gnanaraj, P. Samuel, T. Jebastin, M. Rajadurai, D. Rajasudhakar, and **R. Manikandan** 2025. Strategies for Precision Breeding of Medicinal Plants for Enhanced Secondary Metabolite Production. Taylor & Francis, DOI: 10.1201/9781003475491-3.
2. Gnanaraj, Muniraj, Sisubalan, **Manikandan Rajendran**. 2024. Gold Nanoparticles as Antibacterial and Antiviral Agents: Biomedical Applications and Theranostic Potential. Phytostabilization of metal mine tailings-a green remediation technology. Springer Nature Switzerland AG 2024 V. Kokkarachedu, R. Sadiku (eds.), Nanoparticles in Modern Antimicrobial and Antiviral Applications, Nanotechnology in the Life Sciences, https://doi.org/10.1007/978-3-031-50093-0_2.
3. Lavanya Muthusamy, **Manikandan Rajendran,** Kavitha Ramamoorthy, Mathiyazhagan Narayanan and Sabariswaran Kandasamy. 2022. Phytostabilization of metal mine tailings—a green remediation technology. Elsevier ISBN: 978-0- 323- 85763-5.
4. **Manikandan Rajendran,** R. Kavitha, Weisong Pan, M. Elanchezhian and S. Selvakumar. 2020. Biogenic Synthesis of Nanoparticles and Their Environmental Applications. CRC Press Taylor & Francis Group. ISBN: 13: 978-0-367-21069-4.

Honors & Awards

1. Received Best Paper-second Award in the **International Congress on Management of Environment and its Resources**, 13 to 15 February, 2025 at Nesamony Memorial Christian College, Marthandam-629165, Kanyakumari Tamil Nadu, India
2. Received Yong Researcher award in an International seminar at SRM Institute of Technology, Chennai
3. Received Best Paper-second Award in the National Conference on Innovative Trends in Biotechnology" August, 2022 at Vel Tech High Tech, Chennai, Tamil Nadu.
4. Received Best Paper-First Award in the National Seminar in "New Horizons in Biotechnology and Bionanomedicines" held on 24th September 2012 at Periyar University Salem.
5. Received Best Paper-second Award in the National Seminar on Tamil Science congress" 28-29 August, 2009 at Periyar University, Salem.

Metrics

Tamil Nadu, India **Scopus,** *Author ID - 57201083042*
- Documents - 26
- H-index -14
- Citations - 1246
- Link - https://www.scopus.com/authid/detail.uri?authorId=57201083042

Tamil Nadu, India **Google scholar,** *Manikandan Rajendran*
- Documents - 32
- H-index - 14
- Citations - 1357
- Link - https://scholar.google.com/citations?user=H_LykkAAAAAJ&hl=en

Tamil Nadu, India **Researchgate,** *ID - Manikandan Rajendran*
- Documents - 35
- Citations –
- 1357
  H Index -14
- Link - https://www.researchgate.net/profile/Manikandan-Rajendran-7?ev=hdr_xprf

Tamil Nadu, India ORCID, https://orcid.org/0000-0003-1449-7620

Reviewer of Journals

1. Chemosphere (IF: 8.1)
2. Plant Physiology and Biochemistry (IF: 6.1)
3. Applied Soil Ecology (IF:4.8)
4. Plant Gene (IF: 2.2)
5. Chemical Engineering Journal (IF: 13.4)
6. Environmental technology and innovation (IF: 6.7)
7. Industrial Crops and Products (IF: 5.6)
8. Environmental Research (IF: 7.7)

List of Training Courses & Faculty Development Programmes

1. Actively participated in a One-Week National Level Faculty Development Program on "From Concept to Manuscript: Mastering the Art of Research Paper Writing" organized by the Department of Electronics and Communication Engineering, Jaya College of Engineering and Technology, Chennai, Tamil Nadu, from 14th to 18th July 2025.
2. Successfully Completed a **Lead Auditor Course on "Green, Energy, Environment and Waste Management Audits to Educational Institutions, Industries and Public Sectors"** (Seventh Series) As Per the National Building Code – Part 11 (Approach To Sustainability) Guidelines Organized by The Nature Science Foundation, Coimbatore, Tamil Nadu from 07.04.2025 to 11.04.2025.
3. Actively participated in the **Faculty Development Programme on "Emerging Trends in Teaching and Research"** organized by the Department of Nutrition and Dietetics with Internal Quality Assurance Cell held from 17.02.2025 to 21.02.2025 at Periyar University. Salem, Tamil Nadu.
4. Actively participated in the **Skill Development Program on " Microbial Products Commercialization: Lab to Industry"** Organized by Center for Drug Discovery and Development & Center for Modern Organic Agriculture Research held on 13.06.2024 to 14.06.2024 at Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu.
5. Actively participated in **Two Days Workshop on Data Analysis using AI Tools** organized by the Department of Zoology from 28.08.2024 to 29.08.2024 at Sadakathullah Appa College (Autonomous) Tirunelveli, Tamil Nadu.
6. Actively participated in the **Two Days training Programme on "Drafting Skills for Patent and Design filing**" organized by Intellectual Property Cell and Department of Biotechnology, Mother Teresa Women's University, Kodaikanal, Tamil Nadu, Held on 22.02.2024 & 23.02.2024.

7. Actively participated in **One day Workshop on "Research Proposal Writing**" organized by Internal Quality Assurance Cell held on 22.09.2024 at Periyar University. Salem, Tamil Nadu.
8. Actively participated in a **Workshop and Hands on Training in Sophisticated Analytical Instruments: "SCXRD, SEM-EDX, AAS and GC-MS**, Organized by Center for Instrumentation and Maintenance Facility, Periyar University, Salem, Tamil Nadu, from 20.02.2023 to 23.02.2023.
9. Actively participated and successfully completed the **6 Weeks Technology Entrepreneurship Development Program (TEDP)** sponsored by Department of Science and Technology (DST) conducted by IITM HTIC MedTech Incubator virtually from 25-01-2021 to 06-03-2021.
10. Actively participating in the Virtual **Training on Laboratory System & Internal Audit as per ISO/IEC 17025:2017** organized by Training and Capacity Building (TCB) Cell, Quality Council of India on 22-23 March 2021.
11. Actively participated and completed successfully **All India Council for Technical Education (AICTE) Training and Learning (ATAL) Academy Online FDP on "Synthetic Biology**" from 2020-12-14 to 2020-12-18 at Bharathiar University.

Presnol Details

1. **Name** **:** Dr. **R. Manikandan**
2. **Sex** **:** Male
3. **Marital Status** **:** Married
4. **Permanent Address** **:** 2/2/79, Vengayanoor, Kottagoundampatti post, Omlaur (Tk), Salem (Dt), Tamil Nadu-636 011, INDIA

References

1. **Dr. N. Ezhili, Ph.D.,** Principal
   Paavai Arts and Science College for Women, Rasipuram
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   Phone: +91 8754370570
2. **Dr. R. Ramkumar,** Project Executive Officer
   Dept. of Biological Sciences and Bioengineering
   Indian Institute of Technology Kanpur, Kalyanpur-208016, Uttar Pradesh, INDIA
   Email: rramkumar@iitk.ac.in
   Phone: +91-9688755927.
3. **Dr. R. Kavitha,** Professor & Head,
   Department of Biotechnology
   Periyar University, Salem-636 011, Tamil Nadu, INDIA
   Email: drkavitha@periyaruniversity.ac.in
   Phone: +91 8610075860

Declaration

I hereby declare that all information furnished above is true and correct to the best of my knowledge and belief.

Your's faithfully

Place: Salem, Tamil Nadu

Date: 16.09.2025

(Manikandan.R)