

Dr. R. ARULNANGAI

Assistant Professor

PG and Research Department of Chemistry

Jamal Mohamed College

Tiruchirappalli - 620020



Personal Details:

Residential Address : 117. Venkateswara Nagar (Ext)
Kottappattu,
Tiruchirappalli,
Tamil Nadu –620 004

Contact Number : 9566875057

Date of birth : 12.03.1978

E-mail : suganthidhaya78@gmail.com

Academic Qualifications: M.Sc. /M.Phil./B.Ed./SET./Ph.D./

- 2001-2003 Master of Science (M.Sc.,) Bio-Chemistry EGS Pillai Arts and Science College, Nagappattinam
- 2010-2012 Master of Science (M.Sc.,) Chemistry Annamalai University, Chidambaram
- 2005-2006 Master of Philosophy (M.Phil.,) Biochemistry, Sengamala Thayar Educational Trust Women's College, Mannargudi
- 2006 B.Ed Indra Gandhi National Open university, New Delhi
- 2017 SET (Chemistry) Mother Teresa University, Kodaikanal
- 2019 Ph.D. in Chemistry, Jamal Mohamed College, Tiruchirappalli

Teaching Experience:

- 14-06-2013 to 12-06-2016 Assistant Professor–Dept. of Biochemistry, Paventhar Bharathidasan arts and Science College, Tiruchirappalli.
- 13-06-2016 Till date Assistant Professor –Dept. of Chemistry at Jamal Mohamed College, Tiruchirappalli

Additional Responsibilities

- **NSS PROGRAMME OFFICER** Unit VI and VII, Jamal Mohamed College (Autonomous), Tiruchirappalli, India, from June, 2018 to till date.
- Acted as **Internal and External Examiner** for Bharathidasan University Practical Examinations in various College
- Acted as **Evaluator for Central Valuation** for Bharathidasan University, Tiruchirappalli conducted in Jamal Mohamed College from 2015-2019.
- Acted as **Tutor in charge** for UG and PG students in Biochemistry Department, Paventhar Bharathidasan Arts and Science College and Jamal Mohamed College, Tiruchirappalli, India.
- Member **Incharge for General Time Table** at Paventhar Bharathidasan arts and Science College, Tiruchirappalli from 2013 to 2016
- **Organizing committee member** of symphoria from 2017 to till date
- **Organising committee member** of **Orientation Program** in NSS 2022
- Acted as an **Editorial Board Member** of **Journal of Chemical, Environmental and Biological Engineering(JCEBE)**

Area of Research:

- Environmental science
- Aqua culture
- Corrosion studies
- Nano studies
- Green Studies

PROJECTS

Program of Student		Completed	Ongoing
Project	PG	17	2
	UG/Others	-	-

Orientation Programme

1. Attended the **NSS Orientation Course** conducted by Empaneled Training Institution Madras School of Social Work from 17-7-2019 to 23- 7-2019
2. Participated in the **orientation programme** on Effective Implementation of Part-V Extension Activities for The Club Advisors organized by the Jamal Mohamed College on 8-12-2020
3. Attended the **State level Orientation program – Non Muthalvan thittam** conducted by School education department, Higher education department and Bharathidasan University from 29-03-2023

Resource Person and Lecture

1. Acted as a **Judge** for wealth of waste competition organized Rotaract club, Jamal Mohamed College (Autonomous), Tiruchirappalli.
2. Acted as a **Resource Person** for National Science Festival, Young Scientists Colloquium 2021 organized by Rabiammal Ahamed Maiden College for Women, Tiruvarur 27.02.2021
3. **Presented a lecture** on water pollution and remedial measures in the webinar organized by PG & Research Department of Biochemistry Rabiammal Ahamed Maideen College for Women, Tiruvarur on 15.05.2021
4. **Presented a lecture** on save environment and waste management in the webinar organized by IQAC Rabiammal Ahamed Maideen College for Women, Tiruvarur on 12.09.2022.
5. **Presented a lecture** on Irakkathan Piranthom Athuvarai Irakkattodu Iruppom organized by ADA-CLUB Jamal Mohamed College, Trichy on 08.11.2022.

Details about the online certificate courses

- Industrial inorganic chemistry (Sep.2021)
- Online Refresher Course in Chemistry for Higher Education ARPIT (Oct. 2021)

Details of patents Filed (during the year 2021-2022)

S. No.	Name(s) of the Faculty Member(s)	Title for which Patent is filed	Date of Filing and File Number	Date of Sanction (If sanctioned)
1.	Dr. R. Arulnangai	Nano material based Thermal indicator	11.03.2022 202211010	
2.	Dr. R. Arulnangai	Novel Nano Formulations for Water Purification Technology	21.08.2022 202241047518	16.09.2022

AWARDS

S.No	Title of the award	Body/ Foundation	Month & year
1.	Best faculty research award	Genesin Of Educational Impression	SEP- 2021
2.	Best NSS Programme officer award - 2021-2022	Bharathidasan University	27.03.2023

PROJECT GRANTED

S.No	Title	Body/ Foundation	Sanctioned Amount
1.	Seed Money Research Project	Jamal Mohamed College (Autonomous), Trichy	15000

Details of chapter

S. No	Title of the Book	Chapters Written	Publisher and Place	Month & year of publication	ISBN/ISSN
1.	Sustainable Nanomaterials for Biosystems Engineering Trends in Renewable Energy, Environment, and Agriculture	Role of Nano materials in The Treatment of Polluted Cauvery River Water in Tiruchirappalli District (TamilNadu)	AAP, CRC Press (Taylor & Francis Group)	2021	9781774912010

2.	Physico-chemical and Heavy metal analysis of Ground water pollution in and around Tiruchirappalli district Tamilnadu	Recent Trends and Latst Innovation in life sciences	G;obal Academy	2022	978-625-8284-21-8(Turkey)
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Details of Publications

Scopus:

1. synthesis, growth, and characterization of methyle orange Dye-Doped Potassium sulphate single crystal and its multi facted company **Hindawi** Advance in materials science and engineering volume 2022, Article ID 4020288,9 pages
2. Influence of physico chemical parameters on potability of ground water in Ariyalur area of Tamil Nadu, India, Science Direct, **Materials today, Proceedings**, (36), 923–928, 2021
3. InventoryofTotalandFecalColiformBacteriainGroundWaterinandaroundAriyalur District Tamilnadu, India Annals of R.S.C.B., 25, (5), 426-434, 2021.
4. Interpretation of groundwater quality using piper diagram in and around Ariyalur District Tamilnadu, India, Journal of Natural Remedies. 8(1), 193 – 198, 2020

Web of science:

5. Aquatic Toxicity Due to Heavy Metal Contamination in River Cauvery Tiruchirappalli Surrounding, Tamilnadu, India-**Web of science**-international journal of Zoological investigations-2022-8pp- 330-336

UGC care list:

6. Physico-chemical parameter and water quality index of groundwater polluted in Ariyalur District, TamilNadu, India. Malaya Journal of Mathematic, 8(2), 2031-2036, 2020.
7. Study of Ground Water Quality with GIS Application for Ariyalur Dist. Infokara Research, 8(12), 87-97, 2020
8. Studies onHeavy metal pollution of ground water analysis in and around Udayarpalayam Taluk at Ariyalur District Tamil Nadu. International Journal of Pharmacy and Biological Science, 9(2), 14-19,2019
9. Heavy metal analysis of ground water pollution in and around Sendurai Taluk at Ariyalur District Tamil Nadu, Journal for Advanced Research in Applied Sciences, 5(3),45-50, 2018
10. Physico-chemical analysis of ground water samples in and around Ariyalur District Tamilnadu. European Journal of Bio-medical &Pharmaceutical sciences, 5(2), 946-948, 2018
11. Physico-chemical parameters of groundwater pollution in and around Udayarpalayam

Taluk at Ariyalur District Tamil Nadu, International Journal of Current Research, 10(1), 63782-63785, 2018

Publication in non-care list:

12. Assessment of Ground water pollution in and around Lalgudi Taluk, Tiruchirappalli District, Tamil Nadu, India, Aegaeum Journal, 8(7), 1012 – 1026, 2020
13. Water Quality index of Ground Water Polluted in and Around Tiruchirappalli District, TamilNadu, India. Tathapi, 19(8) 811-822, 2020
14. Ground water quality using Physico-chemical analysis in and around Sendurai Taluk at Ariyalur District Tamil Nadu, International Journal of Advanced Scientific and Technical Research, 7(3), 159-170, 2017
15. Physico-chemical characteristics of ground water in and around Ariyalur District Tamilnadu, World Journal of Pharmacy and Pharmaceutical science, 6(5), 826-837, 2017
16. Mohamed Sihabudeen, Sirajudeen & Arulnangai, Seasonal Variation of Heavy metal of analysis of groundwater in and Sendurai Taluk in Ariyalur District International Conference on Chemical and Environmental Research (ICCER-2017) ISSN 2454-3225
17. Mohamed Sihabudeen, Sirajudeen & Arulnangai, A Study on Physico-chemical Parameters of ground water quality Sendurai Taluk Ariyalur District International Conference on Chemical and Environmental Research (ICCER-2015) ISSN 2395-7018

Details of Papers Presented in Conference

1. Presented a research paper entitled 'A study on physico chemical parameter of ground water quality Senthurai Taluk in Ariyalur District Tamilnadu' in the International on Chemical and Environmental Research (ICCER-2015) held at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 17.12.2015
2. Presented a research paper entitled 'seasonal variation of heavy metal analysis of ground water in and around Senthurai Taluk in Ariyalur District Tamilnadu' in the International Conference on Chemical and Environmental Research (ICCER-2017) held at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 07.01.2017
3. Presented a research paper entitled 'Physico chemical parameters of ground water samples in and around Ariyalur District Tamilnadu' in the International Conference on Newer Engineering Concepts and Technologies 2K17 held at K Ramakrishnan College of Technology Tiruchirappalli 28.03.2017 to 29.03.2017.
4. Presented a research paper entitled 'Physico chemical analysis of ground water samples in and around Ariyalur District -Tamilnadu' in the national Conference on Recent Developments in Chemistry (NCRDC-2018) held at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 20.01.2018.
5. Presented a research paper entitled 'Heavy metal analysis of ground water samples in and around Ariyalur District Tamil Nadu' one day National Conference on

Emerging trends in material sciences (NCETMS-2018) organized by Erode Arts and Science College on 07-02-2018.

6. Presented a research paper entitled 'Studies on 'Heavy metal pollution of ground water analysis in and around Udayarpalayam Taluk at Ariyalur District Tamilnadu' in the two-day national Conference on New Vistas in Material Science held at J J College of Arts and Science -Pudukkottai 08.03.2018 to 09.03.2018.
7. Presented a research paper entitled 'Physico chemical analysis of ground water samples in and around Udayarpalayam Taluk at Ariyalur District Tamilnadu' in the International Conference on Chemical and Environmental Research (ICCER-2018) held at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 19.12.2018
8. Presented a research paper entitled 'Physico chemical analysis of ground water pollution in Ariyalur District Tamilnadu, India' in the one-day International Conference on Novel Materials for Energy, Engineering and Biological Applications held at M Kumarasamy College of Engineering Karur on 09.04.2019
9. Presented a research paper entitled 'Water quality index of ground water pollution in Ariyalur District Tamilnadu, India' in the one-day International Conference on Emerging Trends in Chemical Sciences held at Arulmigu Palani Andavar Arts College for Women, Palani on 06.09.2019
10. Presented a research paper entitled 'Water quality index of ground water around Khajamalai near Ponmalai, Tiruchirappalli District' International Conference on Chemical and Environmental Research (ICCER-2020) held at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli on 08.01.2020
11. Presented a research paper entitled 'Assessment of water quality parameter in and around Ariyalur District Tamilnadu' in the one-day national Conference on Recent Trends in material science held at Thiru.vi.ka. Govt Arts College Tiruvarur on 14.02.2020
12. Presented a research paper entitled 'Hydro analysis of groundwater chemistry using Piper Diagram from Ariyalur District' in the one-day International Conference on "Sustainable Management and Conservation of Natural Resources "held at EVR College (Autonomous) Tiruchirappalli on 15-02-2020
13. Presented a research paper entitled 'Interpretation of groundwater chemistry using piper diagram in and around Ariyalur District' in the International Conference on Chemical and Environmental Research (ICCER-2020) at Jamal Mohamed College (Autonomous), Tiruchirappalli on 12.11.2020.
14. Presented a research paper entitled 'Heavy Metal Contamination in River Cauvery A Case Study of Tiruchirappalli Districts, TamilNadu' a two-day International Conference on contemporary approach on revolutionary techniques in science and engineering organized by Indra Ganesan College of Engineering Tiruchirappalli on 09.04.2021 to 10.04.2021
15. Presented a research paper entitled 'Heavy Metal Contamination in River Cauvery- A Case Study of Tiruchirappalli Districts, TamilNadu' International virtual conference on advances in chemistry and material (ICCM-2021) organized by Saveetha Engineering College Department of Chemistry held on 21.07.2021 to 22.07.2021.
16. Presented a research paper entitled 'Role of nanomaterials in the treatment of Polluted Cauvery River water in Tiruchirappalli District (TamilNadu)' Indo-South Korea

International e-Conference on Nano science and nanotechnology for energy, environment and Bio-medical applications, Vinayaka missions KirupanandaVariyar arts and science college, Gyeonsang national university, Republic of Korea held on 07-10-2021 to 08-10-2021.

17. Presented a research paper entitled Heavy metal analysis of Cauvery River water pollution in and around Trichy District International Conference on Frontiers in chemical research Bishop Hyber college Tiruchirappalli held on 03-02-2022 to 04-02-2022
18. Presented a research paper entitled Heavy metal analysis of Cauvery River water pollution in and around Trichy District International Conference on Recent advances in Material Chemistry SRM institute of science and technology, Kattankulathur held on 17-02-2022 to 19-02-2022
19. Presented a research paper entitled 'The GIS study and index of ground natural water purification in water quality index of ground water in Ariyalur District' in the International Conference on innovation in Chemical and Environmental Research (ICICER-2022) at Jamal Mohamed College (Autonomous), Tiruchirappalli on 25.05.2022.
20. Presented a research paper entitled Studies on 'Heavy metal Condamination in river Cauvery Tiruchirappalli District' in the international Conference on Material Science for sustainable environment held at PG & Research department of chemistry Holy Cross College (Autonomous), Tiruchirappalli held on 23.08.2022 to 24.08.2022.
21. Presented a research paper entitled Studies on Carbon Nanodots Supported Photocatalysis for Efficient Degradation of Methylene Blue in industrial waste Water in the international Conference on Recent trends in Microbiology organized by department of Microbiology Alagappa University, Karaikudi held on 05.01.2023 to 06.01.2023.
22. Presented a research paper entitled Studies on 'Physico chemical Condamination in river Cauvery Tiruchirappalli District' in the international Conference on Environmental management and sustainable development held at PG & Research department of Environmental science Holy Cross College (Autonomous), Tiruchirappalli held on 24.01.2023
23. Presented a research paper entitled Carbon Nanodots Supported Photocatalysis for Efficient Degradation of Methylene Blue in Water in the Indo-South Korea-Thailand International e-Conference on Nano science and nanotechnology for energy, environment and Bio-medical applications, Vinayaka missions KirupanandaVariyar arts and science college, Gyeonsang national university, Republic of Korea held on 24-11-2021 to 25-11-2022.

Details Of Seminars/Conferences/Workshops Participated

Seminars

1. Participated a one-day national Seminar on 'Honour crimes in India Lessons and Cautions' Organized by Department of Women studies, BDU-Tiruchirappalli on 31.01.2015.
2. Participated a one-day International Seminar on 'Emerging trends in biological research' organized by PG and Research Department of Biotechnology &

Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 03.03.2018.

3. Participated a one-day Seminar on 'Recent advances in chemical sciences Organized by PG and Research' Department of Chemistry, Urumu Dhanalakshmi College Tiruchirappalli on 02.03.2020.
4. Participated webinar on 'advanced materials Organized by Department of physics, school of basic sciences, Vels institute of sciences, Technology & Advanced studies pallavaram, Chennai-117 on 28.05.2020 -30.05.2020
5. Participated a one-day Seminar on Drug Delivery Organized by Department of chemistry, Jamal Mohamed College, Tiruchirappalli on 16-07-2021
6. Participated a one-day Seminar on Iron Based MRI contrast Agents, Organized by Department of chemistry, Jamal Mohamed College, Tiruchirappalli on 17-07-2021
7. Participated a one-day Seminar on Emerging Materials for Solar Hydrogen Production Organized by Department of chemistry, Jamal Mohamed College, Tiruchirappalli on 27-07-2021
8. Participated a one-day Seminar on Nano big miracles with small particles Organized by Department of chemistry, Jamal Mohamed College, Tiruchirappalli on 13.08.2021
9. Participated a two days National Level Seminar on "Advanced in Water Technology for Sustainable Development" Organized by Department of Science and Humanities at Dr. N.G.P. Institute of Technology, Coimbatore on 23 & 24-06-2022

Conferences

1. Participated a one-day national Conference on 'Current perspective and challenges Biodiversity and its conservation (NACPCB-15)' organized by PG & Research Department of Bio Chemistry, Rajah Serfoji Govt College, Thanjavur on 06.03.2015 to 07.03.2015.
2. Participated a one-day National Conference on 'Emerging trends in chemical and biological sciences (ETCBS-2019)' organized by D.K.M. College for women, on Vellore on 04.01.2019.
3. Participated a one-day International Conference on 'Recent trends in chemistry (ICRTC- 2019)' organized by Dr. R. K. Shanmugam college of Arts and Science on 10.01.2019.
4. Participated a one-day national conference on 'Chemistry and materials' organized by Department of chemistry, Saveetha Engineering College Chennai on 22.03.2019.
5. Participated an international e-conference on 'Cyanobacterial and algal biotechnology' organized by NRMC – F, Department of Microbiology, BDU Bharathidasan University Trichy, on 18.12.2020 to 20.12.2020.

6. Participated a one-day International Conference on 'Global added burdens of diseases and food security' organized by PG & Research Department of N&D, Jamal Mohamed College, Tiruchirappalli on 05.01.2021
7. Participated a one-day International Conference on 'Frontiers in Chemical Research' organized by PG & Research Department of Bishop Heber College, Tiruchirappalli on 03.02.2021 to 04.02.2021
8. Participated a one-day International Conference on 'Indian Economy Strength and Weakness' organized by PG Department of BBA, Jamal Mohamed College, Tiruchirappalli on 17.03.2021
9. Participated a one day International Conference on 'smart material chemistry' organized by PG & Research Department of chemistry St.Joseph's College, Tiruchirappalli on 29.07.2021 to 31.07.2021.
10. Participated a one-day International Conference on Virtual International Conference on Multifunctional Advanced Materials (Vicmam-2021)'organized by Jnan Vikas Mandal's Degree College, Airoli, Navi Mumbai, Maharashtra9 -08-2021 to 10 -08-2021.
11. Participated a one-day International Conference on Marine bio prospectin and its role in challengeable diseases -21(MBC-D21) organized by DepartmentofMarinescienceBharathidasanUniversity-Tiruchirappalli–USA 11-10-2021&12-10-2021.
12. Participated a one-day International Conference on modern zoology known and unknown organized by C. Abdull Hakeem college Vellur28-102021 & 29-10 2021.
13. National conference on innovation on basic science for sustainable development, organized by Rajali arts and commerce college Pune28-01-2022.
14. Participated a International Conference on "Unravelling therapeutic resources from natures treasure" organized by Mohamed Sathak college of Arts &Science, PG and Research department of Biosciences, Chennai, India20-04-2022 & 21-04- 2022

Workshops

1. Participated in the Workshop on National workshop on 'Anti-diabetic Medical Herbs: Screening and Assessment' Department of Bio chemistry and biotechnology, Annamalai university 27.03.2009 to 28.03.2009.
2. Participated in the Workshop on 'Bioprocess Technology' organized by the Department of Biotechnology National College, Tiruchirappalli on 11.02.2015
3. Participated in 'The Role of a teacher in the present scenario' organized by the IQAC cell, Jamal Mohamed college, Tiruchirappalli on 10.12.2016.
4. Participated in the 'Improving teaching practices – a strategic' approach organized by the IQAC cell, Jamal Mohamed College, Tiruchirappalli on 23.06.2018.
5. Participated in UGC CPE sponsored two-day workshop on 'Professional Development for Academic Leadership in Curriculum Design' organized by

Curriculum Development cell, Jamal Mohamed College, Tiruchirappalli on 18.01.2019 to 19.01.2019.

6. Participated a one-day national workshop on Application of open sources for statistical analysis in educational research (AOSSAER-2019) Organized by Department of Education - CDE, BDU-Tiruchirappalli on 29 -11- 2019.
7. Participated in the international workshop on 'Empowering youth for global goals' organized by state level NSS cell, Directorate of collegiate education and National College Tiruchirappalli on 14.02.2020.
8. Participated in the workshop on 'Export procedures & promotion NWP' held on Department of Business Administration, Jamal Mohamed College, Tiruchirappalli on 21.02.2020.
9. Participated in the workshop on "Household electrical devices & Appliances" organized by AVS college of arts and science Ramalingapuram Salem on 20.04.2020 to 21.04.2020
10. Participated in the 3Days International Online Workshop on 'The Role of Language and Researcher 'organized by the Department of English, Immaculate College for Women, Viriyur, from 27.04.2020to 29.04.2020.
11. Participated in the online workshop on 'Enhancing Research Communication Skills through Science Direct and Mendeley' organized by Internal Quality Assurance Cell (IQAC) and School of Education (SOE), Faculty of Education, Dayalbagh Educational Institute, Dayalbagh Agra, held on 03.05.2020.
12. Participated in the 'Chemdraw Online Workshop for Skill Development & Career Advancement' organized by Genesin of Educational Impressions, Roorkee, Uttarakhand, India, on 05.05.2020.
13. Participated in the 2 Days International online workshop on 'Gis & Remote Sensing for Environment Assessment 'organized by society for environment and sustainable development held on31.03.2021to 01.04.2021.
14. Participated in the State level workshop on production and formulation of Bioinoculants organized by P.G. and Research Department of microbiology, Jamal Mohamed College, Tiruchirappalli31.03.2022
15. Participated in DST-SERB Sponsored two-day workshop on crafting competitive grand proposals held at Dhanalakshimi Srinivasan university, Samayapuram, Tiruchirappalli organized by centre for research, DSU held on 09.09.2022 to 10.09.2022

Faculty Development Programme

1. Participated in the three days 'NLP based Faculty Empowerment Programme' organized by the IQAC cell, Jamal Mohamed college, Tiruchirappalli on 17.06.2017, 19.06.2017 and 20.06.2017.
2. Participated in an online 'Faculty Development Programme' organized by Department of Chemistry, D.K.M. College for Women, Vellore, and Tamil Nadu in association with Spoken Tutorial Project, IIT Bombay, MHRD, and Govt. of India from 04.05.2020 to 10.05.2020. The FDP included hands on exposure in 'Gchem Paint and Libre office Suite writer'.
3. Completed in the certificate Program on sustainable materials and technology conducted by Vivekanadha College of Arts and science for women, Tiruchengode, Namakkal Dt 21.05.2020 to 04.06.2020
4. Participated in the online Faculty Development Programme, 'The role of EDUTECH in classroom teaching and learning' organized by CAS in linguistics, Annamalai University from 05.06.2020 to 11.06.2020.
5. Participated in the online Faculty Development Programme, 'Recent Trends in Computer Science' organized by Department of Computer Science and Computer Applications, Thiruvalluvar University Model Constituent College of Arts and Science, Cuddalore, held on 22.07.2020 to 28.07.2020.
6. Participated in the online Faculty Development Program, 'Spectroscopic Techniques', organized by PG and Research Development of Physics, Jamal Mohamed College (Autonomous), Trichy, held on 03.08.2020 to 05.08.2020.
7. Participated in the 6 Days Faculty Development Program, 'Recent Developments in Materials Science', organized by Department of Physics and Chemistry, Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore held on 16.06.2021 to 22.06.2021.
8. Participated in the Faculty Enrichment Programme IQAC, Jamal Mohamed College, Tiruchirappalli 21-06-2021 to 25-06-2021.
9. Participated in the 4 days online Faculty Development Program, Effective teaching organized by Sri Balaji College of Engineering and Technology, Jaipur. 20-12-2021 to 24-12-2021.
10. Participated in the online Faculty Development Program, Data Analysis organized by Ethyrai College for women, Chennai 07.02.2022 to 15.02.2022
11. Participated in the National one-week Faculty Development Program, on ICT Tools for Effective teaching and learning organized by Sewa mandal's kamla Nehru mahavidyalaya, Nagpur, Maharashtra 02.05.2022 to 07.05.2022

12. Participated in the online Faculty Development Program on Green chemistry for sustainable Development organized by SRM Institute of science and technology, Ramapuram campus, Chennai, 16.05.2022 to 21.05.2022
13. Participated in the National one-week Faculty Development Program, on ICT Tools for Effective teaching and learning organized by Amar Sewa Mandal's Kamla Nehru Maha Vidyalaya, Nagpur, Maharashtra 23.05.2022 to 28.05.2022

Date: 07.04.2023

Dr. R. ARULNANGAI

Place: Tiruchirappalli