

JAMAL MOHAMED COLLEGE (Autonomous)

(College with Potential for Excellence)

Accredited (3rd Cycle) with 'A' Grade by NAAC

DBT star College Scheme FIST Funded

Tiruchirappalli - 620 020.



RESUME

PG & RESEARCH DEPARTMENT OF CHEMISTRY

- 1. Name** : Dr. R. ABDUL VAHITH
- 2. Designation** : Assistant Professor
- 3. Qualification** : M.Sc., M.Phil., PGDCA., Ph.D.,
- 4. Date of birth** : 07.04.1986
- 5. Address:**
- Office** : P.G & Research Department of Chemistry,
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6. Educational Qualifications:

| S.No. | Examination Passed | University / College | Year of Passing |
|--------------|---------------------------|--|------------------------|
| 1 | B.Sc. (Chemistry) | V.H.N.S.N College, Virudhunagar. (Madurai Kamaraj University) | 2006 |
| 2 | M.Sc. (Chemistry) | Jamal Mohamed College, (Bharathidasan University), Trichy. | 2008 |
| 3 | M.Phil. (Chemistry) | Jamal Mohamed College, (Bharathidasan University), Trichy. | 2009 |
| 4. | PGDCA | Bharathiar University, Coimbatore. | 2012 |
| 5. | Ph.D. | Bharathidasan University, Trichy. | 2015 |

7. Experience : **Undergraduate** : 13 Years
Postgraduate : 13 Years
M.Phil : 7 Years

8. Areas of Specialization: Organic Chemistry and Environmental Chemistry

9. Languages known : Tamil & English

10. Subjects Taught:

Under Graduate/ Postgraduate/ M.Phil : 1. Inorganic Chemistry
2. Organic Chemistry
3. Physical Chemistry
4. Polymer Chemistry

11. Research Guidance:

| Degree | No. of candidates | | |
|---------------|--------------------------|------------------|-----------------|
| | Awarded | Submitted | Perusing |
| M.Phil | 10 | - | 03 |
| Ph.D | - | - | 02 |

12. Details of Invited Talks

1. Served as a Resource Person for the training programme on “Manufacturing Household Products” (Entrepreneurial Development Program) at Tamil Nadu Urban Habitat Development Board, periyar nagar, Nagamangalam Panchayat (Adopted Village), Organized by the PG and Research Department of Social Work in Collaboration with Unnat Bharat Abhiyan Cell, Jamal Mohamed College and Nal Ullangal Trust, Tiruchirappalli on 18th December, 2021.
2. Served as a Resource Person in the training on “Water Quality Parameters” Organized by the PG and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli on 8th March, 2022.
3. Acted as a Resource Person and delivered a lecture on “Analysis of Water Quality Parameters” in a workshop on “Analytical Tools In Chemical Research” Organized by the PG and Research Department of Chemistry, Thanthai Periyar Govt Arts & Science College (Autonomous), Tiruchirappalli-23 on 24th March, 2022.

13. Details of Publications :

1. Studies on heavy metal pollution of groundwater sources between Tamilnadu and Pondicherry, India, Pelagia research library, Advances in applied science research, 2012, 3(1):424-429.
2. Applications of water quality Index for groundwater quality assessment on Tamil Nadu and Pondicherry state, India. Journal of Environmental Research and Development., Vol. 8, No. 3, January-March, 2014.
3. Physico-chemical contamination of groundwater in and around Tirunelveli district, Tamil nadu, Pelagia research library, Advances in applied science research, 2014, 5(2):49-54.
4. Water quality assessment of groundwater resources between Tamilnadu and Pondicherry states, india, World journal of pharmacy and pharmaceutical sciences, 2014, volume 3, issue 7, 881-893.
5. Water quality index of groundwater in and around Tirunelveli district, Tamilnadu, India. World journal of pharmacy and pharmaceutical sciences, 2014, Volume 3, Issue 10, 653-661.
6. Quantitative determination of total and fecal coliforms in groundwater between Tamilnadu and Pondicherry states, India. Journal of environmental science and pollution research, 2016, 2 (1), 57-59.
7. Photochemical screening and Anti-microbial activity of *Phyllanthus niruri*, Journal of Advanced Applied Scientific Research, 2017, Volume 1, No. 7.
8. Heavy metal pollution index on groundwater quality between Tamilnadu and Pondicherry states, India. World journal of pharmaceutical Science, 2018,

Volume 7, Issue 02, 411-422.

9. In vitro anti-diabetic activity of *Solanum Erianthum*. IAETSD journal for Advanced Research in Applied Sciences, 2018, Volume 5, Issue 03.
10. Applications of piper diagram and water quality index for the quality assessment of groundwater in Senthaneerpuram and Sempattu areas, Tiruchirappalli district, Tamilnadu, India. European journal of biomedical and pharmaceutical sciences, 2018, Volume 5, Issue 02, 901-904.
11. Use of WQI and Hydrogeochemical facies analyses to assess the suitability of groundwater between Tamilnadu and Pondicherry states, India. International journal of basic and applied research, 2018, Volume 8, Number 11, 142-160.
12. In vitro anti-diabetic activity of *Solanum Erianthum*. International journal of research and analytical reviews, 2019, Volume 6, Issue 1, 41-44.
13. GCMS analysis from hydroalcoholic extract of *Solanum Erianthum*. Adalya journal, 2019, Volume 8, Issue 11, 682-689.
14. *Spilanthes acmella* leaves extract for corrosion inhibition in acid medium, MDPI, coatings 2021, 11, 106. 1-23.
15. Impact on Groundwater quality in and around Omalur Taluk, Salem District, Tamilnadu, India, Asian Journal of Organic and Medicinal Chemistry, April 2022, Vol. 7, No.2, 282-296.
16. Analysis of Groundwater quality based on WQI and SAR in and around Salem District, Tamilnadu, India, Bulletin of Environment, Pharmacology and Life Sciences, Volume 1 April 2022.
17. Water Quality Index of Groundwater proximity Ramanathapuram District, Tamilnadu, India, Bulletin of Environment, Pharmacology and Life Sciences, Volume 1 April 2022.

14. Details of Papers Presented:

1. Evaluation of Physico Chemical and Microbial Standards of Stream Water” of Sirumalaipudhur Taluk, Dindigul (District) Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20, Tamilnadu, 5th and 6th March 2008.
2. Impact of Tsunami on Groundwater of the coastal areas of Nagapattinam District, National conference on current Trends in Chemistry organized by Dept. of Chemistry, Bharathiar University, Coimbatore.”on 2-3rd December 2010.
3. Assessment of Physico-Chemical status of groundwater of Valavanur area in Villupuram Dist, Tamilnadu, India, State Level Seminar on “New Vistas in Chemistry” (NVS-2012) organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on the 4th & 5th January 2012.
4. Physicochemical analysis of groundwater samples of karaikal area, Tamilnadu, National Conference on Current Trend in Chemistry Research (NCTCR-2013), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20, Tamilnadu. February 27th & 28th 2013.
5. Pollution status and water quality analysis of groundwater of Tamilnadu and Pondicherry state, India. National Conference on Current Trend in Chemistry Research (NCTCR-2013), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-20, Tamilnadu. February 27th & 28th 2013.
6. Water Quality Index of Groundwater of Tiruchirappalli District, Tamilnadu, India, International Conference on Chemical and Environmental Research (ICCER-2014), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu. 11th & 12th March, 2014.
7. Hydro-Chemical Evaluation of Groundwater in an around Tiruchirappalli, Tamilnadu, India. International Conference on Chemical and Environmental Research (ICCER-2014), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu. 11th & 12th March, 2014.
8. Water Quality Index of Groundwater in and around Tirunelveli district, Tamilnadu, India, UGC Sponsored National Seminar on “Current Scenario In Material Chemistry” (CSIMC- 2015) organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 9th & 10th February 2015.
9. Calculation of Water Quality Index of Groundwater around Senthaneerpuram area, Tiruchirappalli District, Tamilnadu, National Conference on Recent Development in Chemistry (NARDC-2018), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu. 20th January 2018.

10. Assessment of Physico-Chemical contamination of groundwater in and around Balammanur village, Dindigul District, Tamilnadu, National Conference on Recent Development in Chemistry (NARDC-2018), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu. 20th January 2018.
11. Use of WQI and Hydro geochemical facies analysis to assess the suitability of ground water between Tamilnadu and Pondicherry states, India. In the 4th International Conference on Chemical and Environmental Research (ICCER-2018), organized by PG and Research Department of Chemistry, Jamal Mohamed college (Autonomous), Tiruchirappalli -620 020, Tamilnadu, India, on 19th December 2018.
12. The suitability of groundwater using WQI analyses between Tamilnadu and Pondicherry states, India. In the 5th International Conference on Chemical and Environmental Research (ICCER-2018), organized by PG and Research Department of Chemistry, Jamal Mohamed college (Autonomous), Tiruchirappalli - 620 020, Tamilnadu, India, on 08th January 2020.
13. Analysis of Groundwater Quality Based on WQI And SAR In and Around Salem District, Tamil Nadu, India” in the International Research Summit AVLOKAN 2021 titled “Redefining Social Responsibility and Ethical Leadership” organized by Faculty Research Cell – Gyanidhi and SRDC – Vidhyanidhi, CMS, JAIN (Deemed-to-be University) from 2nd to 10th August 2021.

15. Details of Seminars / Conferences / Workshops Participated:

1. Advanced Topic in Chemistry in Jamal Mohamed College, on 13th &14th March 2007, Tiruchirappalli – 20.
2. Workshop on Micro Reaction Technology for process Intensification in National Institute of Technology (NIT), on 11th January 2008, Tiruchirappalli – 15.
3. Workshop on Social Awareness on Drinking Water Quality in National Institute of Technology (NIT), on 28th February 2008, Tiruchirappalli – 15.
4. Attended UGC sponsored State Level Seminar on “Frontier Studies in Chemistry” held on February 9th and 10th 2010, at Jamal Mohamed College, Tiruchirappalli, Tamilnadu.
5. Participated NAAC sponsored National Seminar on “Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions-Prospects and Problems” organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli -20, during 15th & 16th April 2010.
6. Participated UGC sponsored State Level Seminar on “Recent Trends in Chemical Research (RTCR-2010)” conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 5th and 6th October 2010.

7. Attended the Seminar on "Creating Competitiveness to excel in higher education – a TQM approach" organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli -20, on 8th December 2010.
8. Participated in the State Level Seminar on "New Vistas in Chemistry" (NVS-2012) organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on the 4th & 5th January 2012.
9. Participated in the National seminar on "Geoinformatics for River Basin Studies" organized by Dept. of Geology, School of Geosciences, Bharathidasan University, Tiruchirappalli, Tamilnadu. 3rd & 4th March, 2012.
10. Participated in the one-day seminar on "Teaching, Learning and Research in Higher Education – Excellence and Beyond Excellence" organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli -20, during 7th March 2012.
11. Participated in the National Conference on Current Trend in Chemistry Research (NCTCR-2013), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-20, Tamilnadu. February 27th & 28th 2013.
12. Participated in the National level seminar on "Innovative green technologies for geologic sequestration of carbon dioxide (CO₂) and to protect atmosphere" organized by Erode Sengunthar Engineering College, Thudupathi, Erode, Tamilnadu. 7th & 8th January, 2014.
13. Participated in the International Conference on Chemical and Environmental Research (ICCER- 2014), Organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamilnadu. 11th & 12th March, 2014.
14. Participated a One Day Workshop on 'The Role of a Teacher in the present Scenario' Organized by the Internal Quality Assurance cell of Jamal Mohamed College (Autonomous), Tiruchirappalli on 10th December 2016.
15. Participated a One Day State level Symphoria-17 Organized by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 07th January 2017.
16. Participated a one-day national conference on "Emerging trends in chemical and biological sciences (ETCBS - 2018)" Organized by the Department of Chemistry, D.K.M College for Women (Autonomous), Vellore – 632 001 on 5th January 2018.
17. Participated a One Day State level Symphoria-18 Organized by PG and Research Department of Chemistry Jamal Mohamed College (Autonomous), Tiruchirappalli on 20th February 2018.

18. Participated in the International Seminar on “Emerging Trends in Biological Research (ETBR - 2018)”, Organized by PG & Research Department of Biotechnology and Microbiology, Jamal Mohamed College, Tiruchirappalli, held on 3rd March, 2018.
19. Participated a One Day Workshop on Soft Skills Training Organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 22ⁿ June 2018.
20. Participated a One Day Workshop on ‘Writing Winnable Project Proposal’ Organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 23rd June 2018.
21. Participated a one-day seminar on the “The MHRD Draft proposal for Higher Education Commission of India (Repeal of UGC Act, 1956) Act 2018, Jamal Mohamed College (Autonomous), Tiruchirappalli, held on 14th July 2018.
22. Participated in the UGC CPE Sponsored Two-Day Workshop on Professional Development for Academic Leadership in Curriculum Design organized by Curriculum Development Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli, held on 18th and 19th January 2019.
23. Participated in the National level seminar on “Advance Topics in Physics (NSATP-19) ” organized by PG and Research Department of Physics, Jamal Mohamed college (Autonomous), Tiruchirappalli held on 06th March, 2019.
24. Participated in the “Staff Enrichment Programme on Ownership Culture” organized by the Internal Quality Assurance Cell (IQAC), Jamal Mohamed College (Autonomous), Tiruchirappalli held on 14th June 2019.
25. Participated in the National level seminar on “Recent Advances in chemistry (RAC-19)” organized by PG and Research Department of Chemistry, Theivanai Ammal College for Women (Autonomous), Villupuram, held on 9th August 2019.
26. Participated in the workshop on “Quality enhancement of Research: New Paradigm in Trans- disciplinary approaches and IPR” organized by the Internal Quality Assurance Cell (IQAC), Jamal Mohamed College (Autonomous), Tiruchirappalli held on 6th September 2019.
27. Participated a One Day State level Symphoria ‘19 Organized by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 13th February 2019.

28. Participated in the "Orientation Programme on MOOC's and e-Learning" organized by Department of Library, Jamal Mohamed College (Autonomous), Tiruchirappalli on 29th January 2020.
29. Participated a One Day State level Jam Chem Fis't'20 Organized by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th February 2020.
30. Participated in the FDP on "E-Content Development" organized by the Internal Quality Assurance Cell (IQAC), Jamal Mohamed College (Autonomous), Tiruchirappalli from 30.06.2020 to 04.07.2020.
31. Participated a One Day National Conference on "Plants and Environment" virtual mode Organized by Department of Botany, Telangana University, Nizamabad in Collaboration with Council for Green Revolution (CGR), Hyderabad held on 23rd October, 2020.
32. Participated in the National Conference on "Recent Trends in Materials Science and Technology" (NCMST-2020) Organized by Department of Chemistry, Indian Institute of Space Science and Technology, Govt. of India, Department of Space, Thiruvananthapuram, Kerala during December 07-09, 2020.
33. Participated in the 2nd International Conference on "Emerging Trends in Life Sciences (ICETLS-2021) virtual mode Organized by Department of Botany, Telangana University, Nizamabad held on 28th-29th January, 2021.
34. Participated in the Two Weeks International Workshop on "Emerging Trends in the field of Science and Technology" Organized by Department of Physics, Sathyabama Institute of Science and Technology, Chennai, through Zoom form 16 to 28 August, 2021.
35. Participated in the webinar on "Patent Filing Process and Challenges" organized by the Intellectual Property Rights Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 30.09.2021.
36. Participated in the 5 Days online Faculty Development Programme on "Effective Teaching" Organized by Department of Applied Sciences, Sri Balaji College of Engineering and Technology, Jaipur, (Affiliated to Rajasthan Technical University, Kota) held from 20.12.2021 to 24.12.2021.
37. Participated in the Short Term FDP on "Cancer Biology and Drug Delivery" Organized by PG and Research Department of Zoology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 20th, 21st & 22nd January 2022.
38. Participated in the Short Term FDP on "Digital Teaching and Learning" Organized by PG and Research Department of Chemistry, under the DBT star college scheme, Jamal Mohamed College (Autonomous), Tiruchirappalli from 24.01.2022 to 29.01.2022.

16. Awards and Administrative position held in the college:

- ✓ Received First Prize in Deeniyath Competitive Examination, 2007- 2008 conducted by Jamal Mohamed College.
- ✓ Received a Diploma certificate securing first class in the Deeniyath Competitive Examinations, 2006-2008 conducted by Jamal Mohamed College.
- ✓ Served as Sub-warden in Khajamian Hostel (2009-2012)
- ✓ Member of JMC Alumni Association
- ✓ Department Member- Board of Studies-Jamal Mohamed College
- ✓ Department ERP Incharge (2019-2020)
- ✓ Department Additional Coordinator under DBT star college scheme (2020-2023)
- ✓ Department Examination Incharge (2018-till now)