

# JAMAL MOHAMED COLLEGE (Autonomous)

(College with Potential for Excellence)  
Accredited (3<sup>rd</sup> 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:** 11 Years  
**Postgraduate** : 11 Years  
**M.Phil** : 5 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	08	-	02
Ph.D	-	-	02

## 12. 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. Application 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 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. In vitro anti-diabetic activity of *Solanum Erianthum*. *Journal of advanced research in applied sciences*, 2018, Volume 5, Issue 03.

## 13. 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, 5<sup>th</sup> and 6<sup>th</sup> 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 2-3<sup>rd</sup> 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 4<sup>th</sup> & 5<sup>th</sup> 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 27<sup>th</sup> & 28<sup>th</sup> 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 27<sup>th</sup> & 28<sup>th</sup> 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. 11<sup>th</sup> & 12<sup>th</sup> 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. 11<sup>th</sup> & 12<sup>th</sup> 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 9<sup>th</sup> & 10<sup>th</sup> 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. 20<sup>th</sup> 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. 20<sup>th</sup> 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 4<sup>th</sup> 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 19<sup>th</sup> December 2018.
12. The suitability of ground water using WQI analyses between Tamilnadu and Pondicherry states, India. In the 5<sup>th</sup> 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 08<sup>th</sup> January 2020.

#### **14. Details of Seminars / Conferences / Workshops Participated:**

1. Advanced Topic in Chemistry in Jamal Mohamed College, on 13<sup>th</sup> & 14<sup>th</sup> March 2007, Tiruchirappalli – 20.
2. Workshop on Micro reaction Technology for process Intensification in National Institute of Technology (NIT), on 11<sup>th</sup> January 2008, Tiruchirappalli – 15.
3. Workshop on Social Awareness on Drinking Water Quality in National Institute of Technology (NIT), on 28<sup>th</sup> February 2008, Tiruchirappalli – 15.
4. Attended UGC sponsored State Level Seminar on “Frontier Studies in Chemistry” held on February 9<sup>th</sup> and 10<sup>th</sup> 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 15<sup>th</sup> & 16<sup>th</sup> 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 5<sup>th</sup> and 6<sup>th</sup> 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 8<sup>th</sup> 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 4<sup>th</sup> & 5<sup>th</sup> 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. 3<sup>rd</sup> & 4<sup>th</sup> 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 7<sup>th</sup> 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 27<sup>th</sup> & 28<sup>th</sup> 2013.
12. Participated in the National level seminar on “Innovative green technologies for geologic sequestration of carbon dioxide (CO<sub>2</sub>) and to protect atmosphere” organized by Erode Sengunthar Engineering College, Thudupathi, Erode, Tamilnadu. 7<sup>th</sup>& 8<sup>th</sup> 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. 11<sup>th</sup> &12<sup>th</sup> 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 10<sup>th</sup> 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 07<sup>th</sup> 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 5<sup>th</sup> 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 20<sup>th</sup> 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 3<sup>rd</sup> March, 2018.
19. Participated a One Day Workshop on Soft Skills Training Organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 22<sup>n</sup> 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 23<sup>rd</sup> 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 14<sup>th</sup> 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 18<sup>th</sup> and 19<sup>th</sup> 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 06<sup>th</sup> 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 14<sup>th</sup> 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 9<sup>th</sup> 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 6<sup>th</sup> 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 13<sup>th</sup> 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 29<sup>th</sup> January 2020.
29. Participated a One Day State level Jam Chem Fist'20 Organized by PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27<sup>th</sup> February 2020.

**15. 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
- ✓ Member- Board of studies-Jamal Mohamed College
- ✓ Incharge – ERP - Jamal Mohamed College