

MR. M. VARUSAI MOHAMED

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PERSONAL DETAILS

- Date of Birth : 24/10/1981
- Marital Status : Married
- Nationality : Indian
- Religion : Muslim
- Gender : Male
- Office Address : P.G & Research Department of Chemistry (SF) Jamal Mohamed College (Autonomous) Tiruchirappalli – 620 020 Tamil Nadu, India.
- Employee No. : JMCMTS0159

OBJECTIVE

To work with best of my abilities and skills in order to benefit my organization also to be better other in this competitive Time an influential position in the organization.

EXPERIENCE

12.07.2017
- Till date

Jamal Mohamed College
Assistant Professor

EDUCATION

2004	Bharathidasan University, Jamal Mohamed College B.Sc., Chemistry 59 %
2015	Alagappan University M.Sc., Chemistry 60 %
2017	Bharthidasan University, Jamal Mohamed College M.Phil., Chemistry 65 %
2017 - till date	Bharathidasan University, Jamal Mohamed College Ph.D., Chemistry A

SKILLS

1. Self-motivated
2. Driven and hardworking
3. Team work and coordination
4. Working with a multitude skills
5. Working without any time constraint

PROJECTS

- **Nano synthesis**
Guided project for M.Sc. students
2017 – 2024 - 24 students

RESEARCH IDENTITY

- ORCID ID:<https://orcid.org/my-orcid?orcid=0000-0001-9776-707X>
- Google Scholar:<https://scholar.google.com/citations?user=xIOlz2IAAAAJ&hl=en>
- Researchgate: <https://www.researchgate.net/profile/M-Varusai-Mohamed>

PUBLICATIONS

- **Corrosion mitigation on orthodontic wire made of SS 18/8 alloy using esomeprazole tablet (Esiloc-40 mg) in artificial saliva**
Journal of Saudi Chemical Society, Volume 27(4), July 2023, 101681
- **Green Synthesis, Characterization and Photocatalytic Applications of CeO₂ Nanoparticles using Leaf Extract of Psidium guajava**
Bulletin of Environment, Pharmacology and Life Sciences; (479 - 485), (1) (Sp) Year 2022.
- **Synthesis and Zn Doping's Impact on CeO₂ Nanoparticles for Improved Photocatalytic Evaluation, Antibacterial and Anticancer Analyses**
International Journal of Zoological Investigations;(52 - 66), (2), (Sp) Year 2022.
- **Abrus precatorius leaf aqueous extract as a corrosion inhibitor on Mild steel in 1.0 M HCl solutionsolution**
International Journal of basic and applied research, 9(2), 438-450, 2019.
- **INHIBITION OF CORROSION OF MILD STEEL IN 1.0 M HCl BY 1-MORPHOLINO- 1-(p- TOLYL) PENTAN-3- ONE**
European Journal of Biomedical and Pharmaceutical sciences;(2349-8870), (5), (2) Year 2018.

RESEARCH AREA OF INTEREST

- Bio - Green Nano Synthesis , Phytochemical studies, Electrochemical studies , Microwave assisted synthesis

RESPONSIBILITIES UNDERTAKEN

- Sports Development Committee / Fitness Club (Member) Jamal Mohamed College, Tiruchirappalli
- Board of Studies (Member) PG and Research Department of Chemistry Jamal Mohamed College (Autonomous) Tiruchirappalli
- Acted as a Judge for Chem Extempore A state level Intercollegiate Extravaganza "CHEM FEST-2023" [01 - March -2023] PG & Research Department of Chemistry, Jamal Mohamed College, Trichy.
- Examiner Conducted at Jamal Mohamed College, Trichy, Central Valuation for Bharathidasan University, Trichy
- Handling Moral Instruction classes Undergraduate Students [2022 to 2023] Jamal Mohamed College, Trichy
- Test Incharge PG and Research Department of Chemistry, Jamal Mohamed College, Trichy (2022 - 2023)

- Tutor in charge Postgraduate Men Students [2019-2023] Department of Chemistry, Jamal Mohamed College, Trichy

LANGUAGES

- Tamil & English

DETAILS OF COPY RIGHT

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DETAILS OF PATENT FILED

- Patent filed in Government of India (Docket No: 24032)
Microwave assisted one pot method for synthesizing fluorescent carbon dots from chayote seeds
25.03.2023

SWAYAM/NPTEL ONLINE COURSE

- **ARPIT - SWAYAM**
Online Refresher Course in Chemistry for Higher Education ARPIT (FEB 2020)
- **NPTEL**
Industrial Inorganic Chemistry (SEP 2021)

DETAILS OF PAPERS PRESENTED

- **Advanced Oxidation Processes (AOP'2017)**
Bharathidasan Institute of Technology (BIT Campus), Anna University, and Tiruchirappalli during 17th to 19th December 2017.
- **Emerging Trends in Chemical Sciences (ICETCS- 2019)**
Arulmigu Palaniandavar Arts and College for Women, Palani, during 6th September 2019.
- **GREEN SYNTHESIS AND CHARACTERIZATION OF PURE MgO NANOPARTICLES**
Bannari Amman Institute of Technology, Sathyamangalam, and Erode on 11&12 October 2019
- **SYNTHESIS AND CHARACTERIZATION OF PURE CdO NANOPARTICLES BY C.GIGANTEA THROUGH GREEN METHOD**
Jamal Mohamed College (Autonomous), Trichy - 20, on 19th January-2020
- **Antibacterial Study for the newly Synthesized**
Department of Zoology held at Jamal Mohamed College (Autonomous), Trichy - 20, on 31st January-2020.
- **Synthesis and Characterization of Pure ZnO Nanoparticles Using Murraya koenigii Leaves Extract**
Department of Science and Humanities held at M. Kumarasamy College of Engineering Karur, on 7th March 2020.
- **Synthesis, Characterization of pure CuO Nanoparticles by Murraya Koenigii leaves extract**
PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Trichy - 20, on 12th November 2020.
- **Green Synthesis of CuO NPs using aqueous Extract of Saraca Asoca leaf Extract Characterization and Antibacterial Application**
Recent Advancements in Therapeutics, organized by the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirappalli International 17-08-2022

- **Green Synthesis of NiO NPs using Emblica officinalis leaves Extract and its Antibacterial Activity**
Recent Advancements in Therapeutics, organized by the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirappalli International 17-08-2022

SEMINARS / CONFERENCES / WORKSHOPS PARTICIPATED

- **Chem Fiesta - 2023**
PG and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th February 2023
- **EMERGING TRENDS IN NANOSCIENCE AND NANOTECHNOLOGY**
Engineering and Technology, Srinivas University, Mangaluru, 06th & 07th August 2021.
- **NANO-BIG MIRACLES WITH SMALL PARTICLES**
Jamal Mohamed College (Autonomous) Tiruchirappalli, 13th August 2021
- **ART OF WRITING INDEXED JOURNAL PUBLICATION**
Department of Library Association with IQAC Cell, Jamal Mohamed College (Autonomous) Tiruchirappalli on 28th July 2021.
- **EMERGING MATERIALS FOR SOLAR HYDROGEN PRODUCTION**
PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous) Tiruchirappalli on 27th July 2021
- **IRON BASED MRI CONTRAST AGENT**
PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous) Tiruchirappalli on 17th July 2021
- **DRUG DELIVERY**
PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous) Tiruchirappalli on 06th July 2021
- **INNOVATIVE STRATEGIES IN CHEMICAL SCIENCE AND TECHNOLOGIES**
Department of Chemistry, Bhaktavatsalam Memorial College for Women, and Chennai on 27th & 28th June 2020.
- **SMART ENGINEERING TECHNOLOGIES 2020**
Ramco Institute of Technology, Rajapalayam, during 26th & 27th June 2020.
- **NEW PATHWAYS IN CHEMISTRY**
Department of Chemistry of N.G. Acharya & D.K. Marathe College of Arts, Science & Commerce, on 23rd & 24th May 2020.
- **Recent Advances in Chemical Sciences**
PG & Research Department of Chemistry, Urumu Dhanalakshmi College, Tiruchirappalli, on 2nd March 2020.
- **Staff enrichment Programme on ownership culture**
IQAC cell, Jamal Mohamed College, Trichy on 14th June 2019.
- **Symphoria-19**
PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 13th February 2019
- **Professional Development for Academic Leadership in Curriculum Design**
Curriculum Development cell, Jamal Mohamed College, Trichy on 18th and 19th Jan 2019.
- **Improving teaching practices – a strategic approach**
IQAC cell, Jamal Mohamed College, Trichy on 23rd June 2018.

- **Symphoria-18**

PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 20th February 2018.

- **Faculty Empowerment Programme**

IQAC cell, Jamal Mohamed college, Trichy on 17th , 19th and 20th June 2017.

- **Symphoria-17**

PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 31st January 2017.

- **Organic farming production**

PG and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27 and 28th January 2017.

- **E-content development for teaching –learning**

IQAC cell, Jamal Mohamed College, Trichy on 22nd December 2015.

DETAILS OF FACULTY DEVELOPMENT PROGRAMME

- **Faculty Development Programme**

Preparation of Winning Research Proposal , PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, 08-02-2023

- **Faculty Development Programme**

Prevalence of Fluoride and its Optical Detection, PG and Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, 24-01-2023

- **Faculty Development Programme**

Organized by the IQAC, Jamal Mohamed College (Autonomous), Tiruchirappalli on 21st January 2023.

- **RESEARCH FUNDING PROJECT & IPR (part – II)**

organized by R & D Cell, IQAC , and Department of EXTC, Computer and IT, K.C. college of Engineering and management studies & Research, Thane, from 7th June to 9th June 2021.

- **Faculty Enrichment Programme**

Organized by the IQAC, Jamal Mohamed College (Autonomous), Tiruchirappalli on 21st to 25th June 2021.

- **E- CONTENT PROGRAMME**

Organized by the IQAC, Jamal Mohamed College (Autonomous), Tiruchirappalli on 30th to 04th June 2020.

- **ADVANCED MOLECULAR CHEMISTRY**

organized by PG & Research Department of Chemistry, Arulmigu Palaniandavar College of Arts & Culture, Palani held on 1st To 3rd June 2020.

- **ADVANCED MATERIALS AND THEIR APPLICATIONS**

organized by the PG & Research Department of Chemistry, Auxillium College, Vellore, on 2nd to 6th June 2020.

- **APPLICATION OF TOOLS AND TECHNIQUES IN RESEARCH METHODOLOGY**

organized by the Noorul Islam Centre for Higher Education (Deemed to be University), Kumaracoil from 3rd to 7th June 2020.

- **THE ROLE OF EDUTECH IN CLASSROOM TEACHING AND LEARNING**

organized by the CAS in Linguistics, Annamalai University from 05th to 11th June 2020.

- **CREATING TECH-SAVVY TEACHERS FOR FUTURE CLASSROOMS**

organized by St. Teresa's Institute of Education, Santacruz, Mumbai, India, in collaboration with Edfly from 6th to 10th June 2020.

- **INSTITUTIONAL BENCHMARKING OF BEST PRACTICES**

organized by 10 premier Institutes of India, Hosted by Dnyan Prabodhini Mandal's, Shree Mallikarjun & Shri.Chetan Manju Desai College, Canacona from 8th to 14th June 2020.

- **TEACHER THE ULTIMATE & NEW CHALLENGES IN INTERNATIONAL TRADE**

organized by the Department of Management Studies (MBA), Dhanalakshmi Srinivasan Engineering College, Perambalur held on 12th June 2020.

- **ROAD MAP TO GET A QUALITY PATENT**

organized by the Department of Electrical and Electronics Engineering, AMET Deemed to be University, held on 13th June 2020.

- **FUNDING SCHEMES AND PATENTING SCIENTIFIC INNOVATIONS**

organized by the IQAC and PG & Research Department of Chemistry, Government Arts College, Trichy on 13th June 2020.

- **RESEARCH CAPACITY BUILDING**

organized by V.O.Chidambaram College, Thoothukudi from 15th to 17th June 2020.

- **ADVANCED MATERIALS FOR SUSTAINABLE DEVELOPMENT"**

organized by Department of Science and Humanities, Dr. N.G.P. Institute of Technology, Coimbatore on 15th to 19th June 2020.

- **ADVANCEMENTS IN SCIENCE AND ITS APPLICATIONS IN ENGINEERING**

organized by Department of Science and Humanities, Hyderabad Institute of Technology & Management, Medchal, Hyderabad, and Telangana State, India from 22nd to 26th June 2020.

- **FUNDING OPPORTUNITIES FOR RESEARCH PROJECTS**

IQAC, Periyar E.V.R. College (Autonomous), Tiruchirappalli on 24th June 2020.

- **DIGITAL CLASSROOM**

conducted under DBT star College Scheme by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous) Tiruchirappalli on 23rd and 24th June 2020.

- **MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE**

Computer Society of India, and Kancheepuram Chapter held during 25th to 27th June 2020.

- **CHALLENGES IN CYBERCRIME & ENFORCEMENT OF CYBER**

organized by Department of Computer Science and Engineering in association with Technical Partners CSI, CoDEF and NCDRC, Dr. M.G.R. Educational and Research Institute (Deemed to be University), Maduravoyal, Chennai from 6th to 12th July 2020.

- **JOURNEY OF NANOMATERIALS FOR INTENSE APPLICATIONS"**

organized by Department of Chemistry Kongu Engineering College, and Perundurai from 07th to 09th July 2020.

- **CHEMISTRY IN AN ERA OF CHANGE**

organized by Department of Chemistry, K. Ramakrishnan College of Engineering, Samayapuram, Trichy held on 13th to 16th July 2020.

- **ADVANCEMENTS IN APPLIED CHEMISTRY**

organized by the Department of Sciences, St. Joseph's College of Engineering, Chennai held from 06th to 08th July 2020.

- **GCHEM PAINT AND LIBREOFFICE**

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.

- **Digital Tools for Smart Classrooms in Higher Education**

organized by Jayaraj Annapackiam College for Women, Periyakulam, and held between 6th & 7th May 2020.

- **FDP on challenges in ICT Education**

organized by Bon Recourse College for Women, Tanjavur on 7th May 2020.

- **RESEARCH, FUNDING PROJECTS & IPR**

organized by IQAC, R & D cell & Department of Electronics & Telecommunication under the banner of IETE and Institution's Innovation Council (IIC) of K.C. College of Engineering and Management Studies and Research, Thane, From 7th to 10th May 2020.

- **EFFECTIVE USAGE OF ICT TOOLS FOR SMART TEACHING**

organized by Jayaraj Annapackiam College for Women, Periyakulam, and held between 9th & 14th May 2020.

- **FACULTY DEVELOPMENT PROGRAM 2.0**

organized by North Storm Academy Presents, held on 13th and 14th May 2020.

- **Online FDTP: WEB APPLICATION SECURITY**

organized by Department of Information Technology, Jeppiaar Institute of Technology held on 27th & 28th May 2020.

- **MENTAL WELLBEING IN PERSONAL AND PROFESSIONAL LIFE**

Mr. Johnson Mathew, Director & Mental Health Social Worker, Revive Centre for Counseling and Wellbeing, Victoria, Australia organized by Nehru Institute of Management Studies (NIMS) on 28th May 2020.

- **SOCIAL ENTREPRENEURSHIP**

organized by K.P.B. Hinduja College of Commerce, Mumbai (NAAC A+) Department of Bachelor of Management Studies (BMS) in association with Edfly on 28th May 2020.

- **E- LEARNING AND TOOLS FOR EFFECTIVE TEACHING AND LEARNING**

organized by Jnan Vikas Mandal's Degree College, Airoli in Collaboration with Edfly on 29th May 2020

- **FACULTY DEVELOPMENT PROGRAM ON OUTCOME BASED EDUCATION**

Organized by Inpods Education Teach, on 1st May. Participated in "INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME", conducted by AIMIT, on 24th April 2020.

ONLINE COURSE/WORKSHOP EVENTS/ONLINE SEMINAR PARTICIPATED

- **RESEARCH WORKSHOP**

organized by Birds (Bell Institute of Research and Development Studies) from 25th to 29th June 2020.☐

- **VIRTUAL ORGANIC CHEMISTRY LECTURE SERIES**

organized by the Department of Chemistry, Sathyabama Institute of Science and Technology, Chennai on 22nd to 27th June 2020.☐

- **E – WORKSHOP ON SOLUTION TO JOINT CSIR – UGC NET CHEMICAL SCIENCE PROBLEMS**

organized by PG and Research Department of Chemistry, Muthurangam Government Arts College (Autonomous), Vellore from 17th to 20th June 2020.☐

- **E – WORKSHOP ON “ANALYTICAL INSTRUMENTS**

organized by the Department of Chemistry & IQAC of C.V. Raman University, Kargi Road Kota, and Bilaspur (C.G) from 15th to 17th June 2020.☐

- **DOCUMENTATION & PROFILE MANAGEMENT FOR NAAC & API**

organized by Department of Science & Humanities (English), K. Ramakrishnan College of Technology, Samayapuram, and Trichy on 10th June 2020.☐

- **RESEARCH METHODOLOGY & SPSS**

Sponsored under UGC Paramarsh Scheme, Shri Sant Gajanan Mahavidyalaya, and Kharda Tal. Jamkhed, Dist. Ahmednagar & Anekant Education Society's, Tuljaram Chaturchand College of Arts and Science and Commerce (Autonomous), Baramati, Dist. Pune held on 8th & 9th June 2020.☐

- **ONE ON ENERGY AND OPTICAL MATERIALS**

organized jointly by Department of Physics, St. John's College, Palayamkottai and EdussX, Tirunelveli on 6th June 2020.☐

- **RECALLING THE FOUNDATIONS AND FRONTIERS OF THERMODYNAMICS**

organized by the PG & Research Department of Chemistry, Arignar Anna Government Arts College, Cheyyar, Tiruvannamalai District, on 3rd & 4th June 2020.☐

- **E – Learning Through PowerPoint Presentation**

conducted by Department of Chemistry, Vivekananda College of Arts and Science For Women (Autonomous), Tiruchengode, on 26th May 2020.☐

- **INTRODUCTION TO COORDINATION CHEMISTRY**

organized by the Department of Chemistry, Shri Vyankatesh Arts, Commerce & Science College, Deulgaon Raja Dist. Buldana, Maharashtra, on 15th to 20th May 2020.☐

- **Basic course in NMR Spectroscopy Software**

organized by Genesin of Educational Impressions, Roorkee, Uttarakhand, India, on 17th May 2020.☐

- **Online Course on APICULTURE**

organized by Ayya Nadar JanakiAmmal College, Sivakasi, Department of Zoology, from 13th to 15th May 2020.☐

- **INFOGRAPH MAKING COMPETITION 2020**

organized by the Department of Chemistry, Shri Vyankatesh Arts, Commerce & Science College, Deulgaon Raja Dist. Buldana, Maharashtra, on 8th May 2020.☐

- **SMART RESEARCH**

organized by IQAC, Government First Grade College, Kanakapura, From 7th to 9th May 2020.

- **CHEMDRAW ONLINE WORKSHOP FOR SKILL DEVELOPMENT & CAREER ADVANCEMENT**

organized by Genesin of Educational Impressions, Roorkee, Uttarakhand, India, on 5th May 2020.☐

- **CYBER SECURITY☐ DURING COVID-19**

organized by smt. K.G. Mittal College (IQAC Committee) & IAA –TB on 3rd May 2020.

- **ELEMENTAL ARTS: EVOLUTION OF MODERN PERIODIC TABLE**

Organized by Department of Science and Humanities (Chemistry), Sri Krishna College of Engineering and Technology, Coimbatore, on 1st & 2nd May 2020.☐

- **MOODLE LEARNING MANAGEMENT SYSTEM TRAINING**

Organized by Vidyavardhini College of Engineering and Technology, Spoken Tutorial Project, IIT Bombay on 27th April 2020 to 2nd May 2020.

- **THE ROLE OF LANGUAGE AND RESEARCHER**

organized by the Department of English, Immaculate College for Women, Viriyur, from 27th to 29th April 2020.☐

- **EMAIL MARKETING**

offered by Amity Future Academy, on 25th April 2020.☐

- **MOBILE APP MARKETING**

offered by Amity Future Academy, on 24th April 2020.☐

- **CYBER SECURITY**

offered by Amity Future Academy, on 22th April 2020.☐

- **SELF DEVELOPMENT**

Organized by Department of Business Administration, Sri Sarada Niketan College of Science for Women, Karur, from 20.04.2020 & 21.04.2020.☐

- **HOUSEHOLD ELECTRICAL DEVICES & APPLIANCES**

Organized by Department Physics, AVS College of Arts & Science, Salem☐ , From 20.04.2020 & 21.04.2020.

- **BASIC PRINCIPLES OF SPECTROSCOPY**

Organized by Department of Chemistry, AVS College of Arts & Science, Salem, From 17.04.2020 & 19.04.2020.☐

- **MEDICAL LABORATORY TECHNIQUES**

Organized by Department of Microbiology & Biotechnology, AVS College of Arts & Science, Salem , From 16.04.2020 & 17.04.2020.☐



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