Dr. A. ASRAR AHAMED M.Sc., M.Phil., PGDCA., Ph.D
Assistant Professor and Member In-Charge (SF)
PG & Research Department of Chemistry
Jamal Mohamed College (Autonomous)
Tiruchirappalli – 620 020.
Tamil Nadu, India.
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PERSONAL INFORMATION

Age and Date of Birth	: 38 years/ 10th August 1987
Residential Address	: No–10, Syed Shahib Street, Khaja Nagar, Tiruchirappalli – 620020, Tamil Nadu, India.
Languages Known	: English and Tamil, Arabic (Reading)
Teaching Experience (16 Years as on June 2026)	: 11.10.2010 – Present Working as Assistant Professor of Chemistry, Jamal Mohamed College (Autonomous), Trichy - 20

Subjects Being Handled

- Inorganic Chemistry
- Organic and Physical Spectroscopy
- Green and Nano Chemistry
- Organic Chemistry
- Medicinal Chemistry
- Instrumentation Techniques
- Special Topics in Chemistry
- Computer Applications in Chemistry

EDUCATIONAL QUALIFICATION

Ph.D. Chemistry - 2018 - Jamal Mohamed College, (Bharathidasan University), Tiruchirappalli.
M.Phil. Chemistry - 2010 - Jamal Mohamed College, (Bharathidasan University), Tiruchirappalli.
M.Sc. Chemistry - 2009 - Jamal Mohamed College, (Bharathidasan University), Tiruchirappalli.
B.Sc. Chemistry - 2007 - Jamal Mohamed College, (Bharathidasan University), Tiruchirappalli.
HSC - 2004 – Little Flower Higher Seconday School, Salem.
SSLC - 2002 Little Flower Higher Seconday School, Salem.

RESEARCH DETAILS

Details of Thesis: Synthesis and Biological Evaluation of Some Novel Heterocyclic Compounds Under the guidance of Dr. M. Mohamed Sihabudeen, Former Additional Vice-Principal & Head, PG and Research Department of Chemistry, Jamal Mohamed College (A), Tiruchirappalli
Research Guidance: M.Sc. - 75 Students Completed
M.Phil - 04 Students Completed

MAJOR/ MINOR/OTHER RESEARCH PROJECTS

Type of ResearchProject	Project Title	Name of the Funding Agency	Amount Sanctioned	Duration
Student Project Scheme (SPS) – 2022	Evaluation of Novel Piperonal Hererocycles Towards Anti-Diabetic Drug Activity and Detection on theAnti-Viral Solution to Covid-19	Tamil Nadu State Council for Science and Technology (TNSCST)	7,500	6 Months Completed
Seed Money Project (JMC) - 2022	Synthesis and evaluation of piperonal heterocycles towards anti diabetic and viral Covid -19 using insilico pharmacological studies	Jamal Innovation andIncubation Centre Research Project Scheme (JIIC)	10,000	1 year Completed
Student Project Scheme (SPS) – 2023	Spatio-Seasonal Variation with influence of meteorological factors and associated with human health risks of ambient air PM 2.5 ion concentration in Trichy City, Tamilnadu	Tamil Nadu State Council for Science and Technology (TNSCST)	7,500	6 Months Completed

RESEARCH METRICS

Google Scholar ID	https://scholar.google.co.in/citations?user=bfPjlkIAAAAJ	Citations =114 h-index = 7 I10-index = 3
Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=36598001400	Citations = 67 h-index = 5
Web of Science ID	https://www.webofscience.com/wos/author/record/OBO-4942-2025	Citations = 56 h-index = 5
ORCID ID	https://orcid.org/0000-0003-1729-9160	
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/397410	

PUBLICATIONS

No . of Research/review articles in Peer-Reviewed Journals - 32
Patents/Designs - 07
Books/Book chapters/Lab manuals - 06
Number International / National Conferences/ Workshop attended - 55
Number of Research Paper Presented in International/National Conferences - 31
(A list of publications is attached at the end of the CV)

DETAILS OF PATENTS FILED / SANCTIONED

1) Identification of Anticancer Potential compound from Polyherbal Formulation and Their Molecular Docking Analysis, Indian Patent, Published, Application no. 202341008639, Date: 17-02-2023.
2) Lead Toxicity Detector and Water Cleaning Machine, Indian Design Patent, Granted, Application no. 409502-001, Date: 07-03-2024 (Filling), Date: 10-05-2024 (Publishing)
3) AI Enabled Biodegradation Tracking System Using Plastic -Decomposing Fungi, Indian Patent, Published, Application no.202541086692A, Date: 12-09-2025 (Filling), Date: 03-10-2025 (Publishing)
4) Nano Gold-Graphene Oxide Nano Composite Compositions, Indian Patent, Published, Application no. 202641001915, Date: 07-01-2026 (Filling), Date: 23-01-2026 (Publishing)
5) AI-Based Home Security Device, Indian Design Patent, Granted, Application no. 489216-001, Date: 07-03-2024 (Filling), Date: 31-03-2026 (Publishing)
6) Portable Surface Nanodroplet-Based Extraction Device for Highly Sensitive Chemical Analysis, Indian Patent, Published, Application no. 202641030131, Date: 13-03-2026 (Filling), Date: 27-03-2026 (Publishing)
7) Device for Training Machine Learning Mode, Indian Design Patent, Granted, Application no. 485305-001, Date: 27-12-2025 (Filling), Date: 07-04-2026 (Publishing)

RECEIVED OF AWARDS / RECOGNITION/FELLOWSHIP

1) Received the Young Scientist Award in 2024 from Royal Science Form, India.
2) Received the Best Teacher Award in 2024 from Aram Award, Chennai.
3) Received the Dr. Radha Krishnan Award in 2024 from Puthiya Paathai Trust, Trichy
4) Received the Outstanding Research Achievement Award in 03-11-2025, SMT. Geeta Maa Foundation, Bihar, India.

MEMBERSHIP / EDITORIAL MEMBER

1) Awarded life time membership in IA ENG International association of Engineers on October – 2023.
2) Life time membership in Association of Chemistry Teachers with membership number:- 2861, on 26-02-2026.
3) Associate Editor,Academique Journal of Quality, Exegium Scholarly Press, Assam ISSN No : 3108-0758.
4) Editor for the book “Interdisciplinary Horizons: Insights from Science and Technology”, Academique Publication, Assam, August 2025, ISBN : 978-93-343-9335-4.
5) Editor for the book “Frontiers in Chemical Sciences: Design, Synthesis and Applications”, IIP Iterative International Publishers, Selfypage Developers Pvt Ltd., Chikkamagaluru, Karnataka, April 2026, ISBN: 978-93-7020-331-0.

ADMINISTRATIVE EXPERIENCE

1) Acting as an Staff Advisor - Entrepreneurship Development Cell, from 2021 to till date.
2) Acting as supporting staff for data collection to Criterion–II for NACC 4th Cycle Preparation.
3) Acting as an Additional Chief- Superintendent for Autonomous Examination from 2022 to till 2026.
4) Acted as an Organizing Secretary in the Intra collegiate Extravaganza "JAM CHEM FEST – 2K23" organized by the PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Trichy on 14th March, 2023.
5) Acted as an Organizing Secretary in an "JAMAL CHEM ALUMNI MEET-2023" Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (A), Trichy-20 on 11th March, 2023.
6) Acted as an Organizing Secretary in an Online National Level Intercollegiate Fest "JAM CHEM FEST- 2K22" Organized by the PG and Research Department of Chemistry, Jamal Mohamed College (A), Trichy -20 on 25th May, 2022.
7) Acted as an Organizing Secretary in the Intra collegiate Extravaganza "ChemFiesta' 2022" organized by the Department of Chemistry (SF), Jamal Mohamed College (Autonomous), Trichy on 15th and 16th March 2022.
8) Acted as an Incharge for Deeniyath Essay Writing Competition for 2022.
9) Acted as an Organizing Secretary in the National Level Webinar on "Drug Delivery", organized by PG & Research Department of Chemistry, Jamal Mohamed College (A), Trichy, on 6th July 2021.
10) Acted as a Vice-President of Chemistry Association in Department of Chemistry (SF) during 2021-2023.
11) Acted as a Co-convener in the 5th International Conference on Chemical and Environmental Research (ICCER-2020), organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Trichy on 08th January 2020.
12) Acted as a ERP Incharge from 2020-2022.
13) Acting as Department NIRF Incharge from 2020 till date.
14) Acting as Department Internship and MOU incharge from 2020 till date.
15) Acted as an Editorial Member in NCRDC-2018 and ICCER-2020 conference conducted by Department of Chemistry, JMC, Trichy.
16) Acted as an EC Member of Staff Association from 2017-2019.
17) Acting as CIA test in charge from 2016 – 2024.
18) Acted as a Department Member of Curriculum Development Cell from 2013 to 2023.
19) Member of question setting and valuation board in Bharathidasan University, Tiruchirappalli from 2015 till date.

20) Handled IR instrument as a staff incharge from 2011-2016.

21) Served as a Sub-Warden in Khajamian Hostel, Jamal Mohamed College (Autonomous), from 12.10.2010 – 31.05.2014.

22) Served as a Full time Sub- Warden in Khajamian Hostel, Jamal Mohamed College (A) from 15.05.2010 – 11.10.2010.

PARTICIPATION IN REFRESHER / ORIENTATION

S.No	Name of the Programme	Course Title	Name of the University	
1.	Refresher Course (Online)	Online Two- week Refresher Course in "Chemistry"	Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education	29 13th
2.		Two-week Interdisciplinary Refresher Course on "Managing Online Classes & Co- creating MOOCS 26.0"	Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education	0
3.		"Refresher Course on Selective Topics in Organic Chemistry Phase – Iv"	Department of Chemistry, Sathysbama Institute of Science and Technology, Chennai	02

CHAIRED AS RESOURCE PERSON

1. Acted as a Resource Person and delivered a lecture on "**IR Spectroscopy as a Cornerstone of Organic Synthesis**" in the **15-day Internship Programme on Analytical Techniques in Chemistry**, jointly organized by the PG and Research Department of Chemistry and Jamal Mohamed College (A), Tiruchirappalli from **25-05-2026 to 08-07-2026.**
2. Acted as a Resource Person in **Triple Bond Association annual meeting** and delivered a Special Lecture on **"Successful Careers in Chemistry"**, organized by the Department of Chemistry, Government Arts Science College, Karambakudi, Pudukottai on **08-04-2026.**
3. Acted as a Resource Person in **Valedictory Ceremony** of **Jabir – Ibn - Hayyan Chemistry Club** and delivered topic on **"Chemistry, Innovations Create Great Careers"**, organized by Department of Chemistry (SF-Women), Jamal Mohamed College (A), Trichy on **14-03-2026.**

4. Acted as a Resource Person and delivered topic on "**UV-Visible Spectroscopy Unleased: Insights and beyond as Analytical Tool"** in the **State Level Workshop on Spectroscopic and Chromatographic Techniques (A Hand-on Training)** Organized by **Jamal Instrumentation Centre (JAMIC),** Jamal Mohamed College, Tiruchirappalli from **09-02-2026 to 13-02-2026.**
5. Acted as a Key Note Speaker and delivered invited talk on **"Computational Methods in Drug Discovery"** in the **One-Day National Level Conference** on **"Emerging Trends in Organic and Nanomedicine (ETON-2026)"** organized by Department of Chemistry Arignar Anna College Arts and Science, Krishnagiri on **07-01-2026**.
6. Acted as a Resource Person and delivered topic on "**UV-Visible Spectrophotometry as a key analytical Approach"** in the **State Level Workshop on Spectroscopic and Chromatographic Techniques (A Hand-on Training)** Organized by **Jamal Instrumentation Centre (JAMIC),** Jamal Mohamed College, Tiruchirappalli from **22-09-2025** to **26-09-2025.**
7. Acted as a Resource Person in the one day Workshop on **"Fostering Creativity & Innovation in Entrepreneurship"** organized by the Department of Chemistry & Physics, Sona College of Arts and Science, Salem on **24.12.2025**.
8. Acted as a Resource person in the Student Seminar Programme and delivered topic on **"Iconic Innovations in Chemistry"** organized by Government Arts College (Autonomous), Salem – 636007 on **26-08-2025.**
9. Acted as a Resource person in **A State Level Certificate Programme on Spectroscopic and Chromatographic Techniques (A Hand -on Training)**, Jamal Mohamed College (Autonomous), Tiruchirappalli from **17-02-2025 to 21-02-2025.**
10. Acted as a Resource person in the Special Lecture Programme and delivered topic on **"Start-up Opportunities for Homeprenurs"** Jointly organized by IQAC and Student Welfare Association, BMS College for Women, Basavanagudi, Banglore on **10-02-2025.**
11. Act as a Resource Person for the Awareness Programme on **Innovation Voucher Programme (IVP)** and **MSME Schemes** Jointly organized by Entrepreneurship Development Cell and Department of Chemistry, Jamal Mohamed College (Autonomus), Trichy on **08-01-2025.**
12. Acted as a Resource person in the Guest Lecture Programme and delivered topic on **"NMR Spectroscopy - A Powerful Tool for Structural Elucidation"** organized by Vivekanandha Arts and Science College for Women, Veerachipalayam, Sankagri, Salem on **17-10-2024.**
13. Acted as a Resource person in the Guest Lecture Programme and delivered topic on **"Innovation of Chemist in Modern Drug Development"** organized by IIC in association with Department of Chemistry, Muthayammal College of Arts and Science (Autonomous), Rasipuram, Namakkal on **14-10-2024.**

14. Acted as a Resource person in the online Special Lecture on **"Life Changing Innovations in Chemistry"** in celebrates for **National Chemistry Day - 2024** organized by Department of Chemistry, Sri Parasakthi College for Women (A), Courtrallam on **10-10-2024.**
15. Acted as a Resource person in the **Workshop on Innovation Converting into a Startup** and delivered a Special Lecture on **Recent Trends in Green Corrosion Inhibitors**, jointly organized by the IIC's & PG and Research Department of Chemistry, Theivanai Ammal College for Women (Autonomous), Viluppuram on **07.08.2024.**
16. Acted as a Resource person in the One Day Seminar and delivered a Special Lecture on **Developing Entrepreneurial Mindset Among Chemist**, organized by the PG Department of Chemistry, Annai Vailankanni Arts and Science College, Thanjavur on **28.08.2024.**
17. Acted as a Resource person in the Placement Cell and delivered a Special Lecture on **Vetrichinthani**, organized by the PG and Research Department of Tamil (SF), Jamal Mohaemd College, Trichy on **24.02.2024.**
18. Acted as a Resource person in the Resonance Club and delivered a Special Lecture on **Entrepreneuraial Expertise in Chemistry** organized by the Department of Chemistry, J.J. College of Arts and Science, Pudukkottai on **31.01.2024**
19. Acted as a Resource person in the Inaugural function of the **Vocational Educational Training (VET) Programme** and delivered a Special Lecture on **Chemistry in Everyday Life**, organized by the PG and Research Department of Chemistry, Khadir Mohideen College,Adirampatinam on **09.10.2023**
20. Acted as a **Chairperson for Oral Presentation in an International Conference** on **"Recent Innovations in Chemical Sciences (ICRICS '22)"** on **29-09-2023**, organized by the Department of Chemistry, Sona College of Arts and Science, Salem, Tamil Nadu
21. Acted as a Resource person in **One Day National Conference on "Emerging Innovations in Chemistry (NCEIC-2K23)"** on **"Moder Drug Design"** on **11-09-2023** organized by the Department of Chemistry, Paavendhar College of Arts and Science, Thalaivasal, Salem.
22. Acted as a Resource person in the **3rd International Conference on Research Methodology in Medical and Nanobiotechnology (RMMN–2K23)** on **"In-Silico Studies in Current Scenario"** on **31-03-2023** organized by organized by the PG and Research Department of Microbiology, Idhaya College for Women, Kumbakonam, Tamil Nadu
23. Acted as a Resource person in Dr. Sr. Y. Yesu Thangam's Endowment Lecture Series on **"Drug Designing and Computational Studies"** on **03-03-2023** organized by the PG and Research Department of Chemistry, Jayaraj Annapackiam College for Women (A), Periyakulam, Tamil Nadu
24. Acted as Resource person in **International Conference on Materials and Biological Researches (ICMBR–2023)** on **"Role of Cheminformatics in Drug Design"** on **02-03- 2023** organized by organized by the Department of Chemistry, Dr.R.K.S.College of Arts and Science, Kallakurichi, Tamil Nadu

25. Acted as Resource person in **Seminar** on **"Green Energy for a Green Revoluation"** on **11-02-2023** organized by Organized by the Department of Science and Humanities, Narasu'sSarathy Institute of Technology, Poosaripatty, Kadayampatti, Salem, Tamil Nadu
26. Acted as Resource person in ICSSR funded One day Seminar for Farmers on **"Regeneration of Agricultural Soil Using Organic Products"** on 10-02-2023 Organized by the Department of Science and Humanities, Narasu's Sarathy Institute of Technology, Poosaripatty, Kadayampatti, Salem, Tamil Nadu
27. Acted as Chair person for Poster Presentation in 2nd One Day **National Conference** on "**Recent Advances in Chemistry (RAC '22)**" on **07-11-2022**, organized by Department of Chemistry, Sona College of Arts and Science, Salem, Tamil Nadu
28. Acted as Resource person in **One day State Level Seminar** on **"Success Through Chemistry"** on **21-10-2022** organized by Department of Chemistry, MeenaakshiRamasamy Arts and Science College, Thathanur, Udayarpalayam, Ariyalur (Dt), Tamil Nadu
29. Acted as **Judge** in the **"Exhibition on Microbes and us"** on **27-09-2022** organize by PG and Research Department of Microbiology, Jamal Mohamed College (A), Tiruchirappalli.
30. Acted as Resource person in the **"Young Scientist Programme (YSSP – 2022)"** on **18-05-2022** catalysed and supported by Tamil Nadu State Council for Science and Technology (TNSCST) at Jamal Mohamed College (Autonomous), Tiruchirappalli
31. Acted as **Judge** in the "**Inter Collegiate Competition Chem fest 2022"** on **04-03-2022** organize by Department of Chemistry, A.D.M. College for women, Nagapattinam.
32. Acted as Resource person in Awareness Programme to deliver **"Health and Hygine"** on **17-12-2021** at Union Primary School, Gandhi Nagar, Nagamangalam Panchayath(Adopted Village), Trichy, organized by PG and Research Department of Social Work in Collaboration with UBA Cell, JMC and Nal Ullangal Trust, Trichy.
33. Acted as Resource person in special lecture on **"Lab to Land"** on **29-11-2021** at Department of Chemistry, Sri Vijaya Vidyalaya College of Arts and Science, Nallampalli, Dharmapuri.
34. Acted as Resource person to deliver a training for Three Weeks Workshops on **"Beat the Competitors in Gate / Net and Competitive Exams WBCE-2020"** from **15-07-2020 to 07-08-2020** at Department of Chemistry, School of Advanced Sciences, Kalasalingam Academy of Research and Education (Deemed to be University), Krishnankoil, TNadu.
35. Acted as Resource person to deliver a Special Lecture on **"Chemistry for Sustainable Enviroinment"** on **14-03-2020** at Department of Chemistry, K. S. Rangasamy College of Arts and Science (Autonomous), Tiruchangode, Tamil Nadu.
36. Acted as Resource person to deliver a Special Lecture on "**Recent Developments in Chemistry"** on **04-10-2018** at Department of Chemistry, Bharathi Women's Arts and Science College, Thatchur, Kallakurchi, Tamil Nadu.

37. Acted as Resource person to deliver a Special Lecture on "**The objectives Chemistry in today's Scenario"** on **04-10-2018** at Department of Chemistry, Dr. R.K. Shanmugam Arts and Science College, Kallakurchi, Vilupuram, Tamil Nadu.
38. Acted as Resource person to deliver a special lecture on **"Quran and Science"** in Science Exhibition on **20.12.2015** at Bharathi Nursery and Primary School, Pallapatti, Karur

DETAILS OF PUBLICATIONS

1. Dubey RR, Padmavathy C, Ranjan R, Balakarthikeyan M, **Ahamed AA**, Shukla KK. An Integrated Electrical and Mechatronics-Based IoT Architecture for Scalable Health Monitoring in Smart Hospitals. International Journal of Drug Delivery Technology. 2026;16(2s):447-454. DOI: 10.25258/IJDDT.16.2s.55.
2. **Ahamed AA**, Sudhan N, Balasubramanian V, Stève-Jonathan KK, Raja VR. Specific electrochemical sensing of 4-aminophenol using a graphene oxide/calcium phosphate nanocomposites material for pharmaceutical and environmental applications. Journal of Ovonic Research. 2026 Jan–Feb;22(1):91–104. https://doi.org/10.15251/JOR.2026.221.91.
3. Devarayan K, Chellappan S, Kandasamy S, Ganesan A, **Ahamed AA**. Evaluation of anti-urolithiatic potential of Pongamia pinnata leaves on kidney stone. Chemical Science Review and Letters. 2025 Apr–Jun;14(54). DOI: 10.37273/chesci.cs012056061
4. **Ahamed AA**, Kandasamy S, Chinnathambi A, Venkatesh N, Ramu A, Marimuthu P. Pyrene carbaldehyde Schiff base as multifunctional chemosensors for environmental thorium determination and its real-time applications. Journal of Molecular Structure. 2025. (Impact Factor: 3.8) DOI: 10.1016/j.molstruc.2025.143500.
5. Kumar KN, Reddy GA, Sattar SA, Jafri RI, Premkumar R, Muthukrishnan M, **Ahamed** AA, Meera MR, Prakash NG, Tighezza AM, Ko TJ. Effect of Oxygen Flow Rate, Post-annealing Temperature, and Different Electrolyte Concentrations on WO_3 Thin Films Deposited by DC Magnetron Sputtering For Electrochromic Applications. Journal of Electronic Materials. 2024 May;53(5):2351-66 (Impact Factor: 2.1)
6. Marimuthu P, Ramu A, Venkatesh N, **Ahamed AA**, Venkatesan G, Chinnathambi A, Kandasamy S. Design and synthesis of simple quinoline-based organic molecules as dual/multifunctional chemosensors for the detection of Cu2+/Fe3+ ions. Journal of Molecular Structure. 2024 Sep 15;1312:138530. (Impact Factor: 3.8)
7. Subramaniam S, Roy A, Vivekanandan KE, **Ahamed AA**, Bharathiraja C, Kumarasamy S, Raja R, AlSalhi MS, Narayanan M. An investigation on antidiabetic competence of Ferula assafoetida mediated AgNPs on diabetic (STZ) induced albino rats. Biocatalysis and Agricultural Biotechnology. 2024 Feb 2:103043 (Impact Factor: 4.0)

8. K.Naveen Kumar,Sheik Abdul Sattar, G.V.Ashok Reddy, R.Imran Jafri, R.Premkumar, M.R.Meera**, A.Asrar Ahamed**, M.Muthukrishnan, Merum Dhananjaya,and Ammar M.Tighezza, Structural, optical and electrochromic properties of RT and annealed sputtered tungsten trioxide(wo3) thin films for electrochromic applications by using GLAD technique, J Mater Sci: Mater Electron, (2023) 34:1934. (Impact Factor: 2.7)
9. M.Mohamed Mahroop Raja, N. Reehana, **A.Asrar Ahamed**, A.Fasila Begum, Characterization of bioactive compound isolated from Micromonospora marina KPMSI and its activity against emerging antibiotics resistant strains of Klebsiella pneumoniae HAUT17 and Proteus vulgaris HAUT114, International Journal of Biological Macromolecules, Volume 250, October 2023, 125954 https://doi.org/10.10 16/j.ijbiomac.2023.1 25954. (Impact Factor: 8.2)
10. I. Rama,A. Subashini, M.Nadhiya, V.Ragavendran, N.Kanagathara, **A.Asrar Ahamed**, Synthesis, spectral characterisation, SC-XRD, Hirshfeld, DFT and in silico antidiabetic activity of novel imine (E)-N-(2-nitrobenzylidene) naphthalene-I-amine, a newly synthesised imine: A theoretical and experimental evaluation, Journal of Molecular Structure, Volume 1292, 15, November 2023, 136084, https://doi.org/10.10 16/j.molstruc.2023. 136084 (Impact Factor: 3.8)
11. Dr.H.V.Jayaprakash, **Dr.A.Asrar Ahamed**, Dr.P.V.Krupakara, and Dr.R.Kavitha , Studies on potentiodynamic polarization of Aluminium 2014/Albite metal matrix Composite, European Chemical Bulletin, 12(8), 1204-1211, 2023.
12. S.Vijaya Bharathi, V.Anuradha, **A.Asrar Ahamed**, M.Syed Ali, Priya Petchimuthu, and R.Govindharaju, Ameliorating Effect of Saponin from Phoenix pusilla root on Streptozotocin Induced Diabetic Animal Model, European Chemical Bulletin, 12(8), 1144-1166, 2023.
13. Ashwin Prakash Karurkar, Anuradha Venkatraman,Syed Ali Mohammed Yacoob, **Asrar Ahmed**, Mohamed Sihabudeen , Chemically synthesized Schiff base Conjugated Piperonal as Novel Antioxidants and Scavengers of Free Radicals, Research Journal of Pharmacy and Technology (RJPT), 15 (11), 4987- 4993, 2022.
14. Jamaludeen, Ahamed Sulthan, Bertotti, Mauro, **Asrar Ahamed**, Jayaraman, Kamalakannan, Abdullah, Groundwater quality assessment of the Cuddalore district, Tamil Nadu, India, using a water quality index method, Indian Hydrobiology, 20(1), 00-00, 2021.
15. S.S.Nawab Ali, **A. Asrar Ahamed** and M.Mohamed Sihabudeen, Correlation Analysis of Heavy Metals in Ground Water Quality in and Around Thamirabharani River at Tirunelveli District, Tamilnadu, India, Strad Research 7,7,2020. 0039-2049.
16. S. S. Nawab Ali, **Dr. A. Asrar Ahamed,**Dr.M.Mohamed Sihabudeen and Dr.Jamaludeen Ahamed Sulthan , Proximity Water Quality Assessment of River Thamirabarani at Tirunelveli District, Tamilnadu, India, Tathapi 19, 40, 2020. 2320-0693, June 2020.

17. Ashwin Prakash Karukar, V Anuradha, **A. Asrar Ahamed**, M.Mohamed Sihabudeen, and M. Syed Ali, Spectral Characterization and In-Vitro Anti-Inflammatory potential of an EDP Schiff Base, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 0975-8585, 10(6),99-104, 2019.
18. N.Angamuthu, Jamaludeen Ahamed Sultan, M. Mohamed Sihabudeen, **A. Asrar Ahamed**, Synthesis, Characterization and Structural Diversity in Aminoguanidium salts of Isoelectronic 2 Picolinic acid N- oxide and 3- hydroxypicolinic Acid, International Journal of Pharmacy and Biological Sciences 2230-7605, April-2019.
19. Arun Marimuthu, Mohamed Sihabudeen, **Asrar Ahamed.A** , Hariharan .G, PM2.5 Bound Carbon Fractions over Tiruchirappalli city (India) and influence of Meteorological factors, International Journal of Pharmacy and Biological Sciences 2230-7605, April 2019.
20. N. Angamuthu, Jamaludeen Ahamed Sulthan, M.Mohamed Sihabudeen, and **A. Asrar Ahamed**, Synthesis, Characterization and Structural Diversity in Aminoguanidium salts of Isoelectronic 2Picolinic acid N- oxide and 3- hydroxypicolinic acid, International Journal of Pharmacy and Biological Sciences 2230-7605, April-2019.
21. J.Ahamed Sultan, M.Mohamed Sihabudeen, J.Sirajudeen , and **A. Asrar Ahamed**, Assesment of Microbes present in Ground Water of Cuddalore District, Tamil Nadu, World Journal of Pharmaceutical Research, Volume 7, Issue 8, 22-28, 2277-7105, 2018 (Impact Factor: 7.523)
22. **Asrar Ahamed Abdullah** and Mohamed Sihabudeen Mohammed Meera Hussain , Synthesis and evaluation of piperonal chalcone and its derivatives as anti-diabetic agents, European Journal of Biomedical and Pharmaceutical Sciences, 2349 - 8870, Volume 5, Issue 2 ,514-518, 2018 (ISSN: 2349-8870)
23. **A. Asrar Ahamed**, M. Mohamed Sihabudeen, M. Syed Ali and M. Syed Abuthakir, Synthesis and biological evaluation of some novel chalcone derivatives as anti-inflammatory agents, World Journal of Pharmaceutical Research, Volume 7, Issue 2, 947-955, 2018 (ISSN: 2277-7105)
24. **A. Asrar Ahamed**, M. Mohamed Sihabudeen, Synthesis and biological evaluation of some novel heterocyclic Chalcone Derivatives, Asian Journal of Pharmacy and Pharmacology 2455-2674, 3(6):247-250,2017
25. C. Murugesan, M. Mohamed Sihabudeen, **A. Asrar Ahamed**, One-pot three component ($LaCl_3.7H_20$) catalysed biginelli reaction for the synthesis of 1,2,3,4- tetrahydropyrimidine, World Scientific News(WSN), 35, 87-99, 2016.
26. J. Ahamed Sulthan, M. Mohamed Sihabudeen, J. Sirajudeen and **A. Asrar Ahamed** , Removal of toxic lead metal from waste water by using bio-absorbent, Scientific Transactions in Environment and Technovation, 10(1):6-8, 2016.

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