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Professor, School of Chemical Sciences

Honorary Director, Advanced Molecular Materials Research Centre (AMMRC)

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- Permanent Address : *Anas Manzil*, Parayakad P. O., Cherthala, Alappuzha, Kerala-688540
- Present Address : *Darul Eiman*, Oasis Valley Homes, Amalagiri P. O., Kottayam, Kerala-686561
- Date of Birth : 1st March 1980

EDUCATION:

- 2008: Ph.D. (Organic Chemistry)**, NIIST (CSIR), Thiruvananthapuram (University of Kerala, India)
- 2003: B.Ed. (Physical Science)**, College of Teacher Education, Alappuzha (University of Kerala, India)
- 2002: M.Sc. (Polymer Chemistry)**, St. Berchmans' College, Changanacherry (M.G. University, India)
- 2000: B.Sc. (Chemistry)**, St. Michael's College, Cherthala (University of Kerala, India)

PROFESSIONAL EXPERIENCE:

- February 2025- till date:** Professor, School of Chemical Sciences, M. G. University, Kottayam, INDIA
- February 2022- Jan 2025:** Associate Professor, School of Chemical Sciences, M. G. University, Kottayam, INDIA
- April 2024-till date:** Joint Director, Institute for Integrated Programmes and Research in Basic Sciences (IIRBS), Mahatma Gandhi University, Kottayam, INDIA
- April 2020-April 2024:** Honorary Director, IIRBS, Mahatma Gandhi University, Kottayam, INDIA
- September 2015-till date:** Honorary Director, Advanced Molecular Materials Research Centre (AMMRC), Mahatma Gandhi University, Kottayam, INDIA
- January 2010-January 2022:** Assistant Professor, School of Chemical Sciences, M. G. University, Kottayam
- December 2009 -January 2010:** Non-Vocational Teacher (Sr), VHSE Department, Govt of Kerala, India

RESEARCH EXPERIENCE:

- April 2011- March 2013** : Post-Doctoral Fellow, Uppsala University, Sweden (with Dr. Henrik Ottosson)
- Nov. 2008- Nov. 2009** : Post-Doctoral Fellow, University of Paris-XI, France (with Prof. Henri B. Kagan)
- January 2004 - Nov. 2008** : Research Fellow, National Institute for Interdisciplinary Science & Technology (CSIR), Thiruvananthapuram, INDIA (Thesis Supervisor: Dr. K. V. Radhakrishnan)

RESEARCH HIGHLIGHTS:

Research Area (Broad): Organic Synthesis, Heterogeneous Catalysis, Polymer Materials

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|-------------------------------|--|--|--------|
| Journal publications | : 54 | Citations | : 1417 |
| Patents | : 1 | <i>h</i> -index | : 20 |
| Edited Books | : 1 | <i>i</i> -10 index | : 36 |
| Book Chapters | : 6 | Best Poster/Paper award | : 11 |
| Conference Papers/proceedings | : 75 | Invited Talks/Lectures/Keynote address | : 64 |
| Research supervision | Ph.D : 8, PDF : 1, M.Phil : 6, Masters Project | | : 79 |

AWARDS/HONORS/ FELLOWSHIPS:

- **Kairali Research Award 2024** for the best Researcher in Chemical Sciences by Government of Kerala
- Post-doctoral Research Fellowship (2011): Uppsala University, Uppsala, Sweden
- Post-doctoral Research Fellowship (2008): University of Paris Sud-11, Orsay, France
- Senior Research Fellowship (2006): Council of Scientific & Industrial Research, Govt of India
- Junior Research Fellowship (2004): Council of Scientific & Industrial Research, Govt of India
- Graduate Aptitude Test (GATE) in Chemistry (2003): Ministry of Education, Govt of India
- Outstanding B.Ed. Student Award (2003): Kerala University College of Teacher Education, Alappuzha

MAJOR ADMINISTRATIVE/ACADEMIC ENGAGEMENTS:

- Member Senate, Mahatma Gandhi University, Kottayam (2018-2022)
- Honorary Director, AMMRC, Mahatma Gandhi University, Kottayam, (2015-)
- Joint Director, IIRBS, Mahatma Gandhi University, Kottayam, (2024-)
- Honorary Director, IIRBS, Mahatma Gandhi University, Kottayam, (2020-2024)
- Member, Academic Monitoring Committee, Graduate School, Mahatma Gandhi University (2024-)
- Member, KIIFB Science Complex Monitoring Committee, Mahatma Gandhi University (2024-)
- Member, Committee for implementing 4+1 year integrated programmes in University Schools (2023, June)
- Member, CSS Advisory Committee, Mahatma Gandhi university, Kottayam (2021-)
- Member, UGC Inspection committee for women's hostel construction in affiliated Colleges (2019)
- Chairman, Institute Programme Advisory Committee of IIRBS, M.G. University (2020-2024)
- Member, Advisory Committee, National Service Scheme, M. G. University, Kottayam (2018-23)
- Member, PIG, DST-PURSE Programme, Mahatma Gandhi university, Kottayam (2017-21)
- Member, Selection Committee for appointment of Chemistry faculty in various colleges (2021 onwards)
- Member, Selection Committee for promotion of Chemistry faculty in various colleges (2024 onwards)
- Member, Board of Question Paper Setters in various Universities and Autonomous Colleges (2014-)
- Member of Academic Audit team of Baseli College, Kottayam (November, 2017)
- Course Co-ordinator, M.Tech. (Polymer Sci. & Tech.), SCS, M.G. University. (2016-19)
- Course co-ordinator, Ph. D course work (2016, 2019), SCS, M.G. University
- Secretary, Faculty Council, School of Chemical Sciences, M.G. University (2014-2020)
- IQAC Co-ordinator (2010-11), SCS, M.G. University
- Teacher Co-ordinator, M. G. University CAT Entrance examinations (2019, 2020, 2022), Ernakulum Centre
- Additional Chief Superintendent for M. G. University off campus exam at Cherthala centre (2015)
- Additional observer for M.G. University Union Elections (2015, 2018, 2019, 2021, 2022, 2023, 2024)
- Observer for JEE (Main) Examinations at Calicut centre (2014, 2015 and 2016)

BOARD OF STUDIES/EXPERT COMMITTEE/GOVERNING COUNCIL POSITIONS:

- Member, Governing Council, UC College, Aluva (2026-)
- Member, Board of Studies in Chemistry, St. Theresas' College, Ernakulam (2024-)
- Member, Board of Studies in Chemistry, Nirmala College, Moovattupuzha (2024-)
- Member, Board of Studies in Chemistry, School of Chemical Sciences, Mahatma Gandhi University (2020-)
- Member, Board of Studies in Chemistry, St. Josephs' College, Devagiri, Calicut (2019-2023)
- Member, Board of Studies in Polymer Science and Rubber Technology, CUSAT, Cochin (2017-2020)
- Member, Board of Studies in Chemistry, St. Berchmans' College, Changanassery (2017-2020)
- Member, Combined Board of Studies, IIRBS, M.G. University (2015)
- Convenor, Expert Committee for Integrated Programme in Science, Mahatma Gandhi university (2020-24)
- Convenor, Expert Committee for M.Tech. Polymer Sci. and Tech, SCS, Mahatma Gandhi university (2017-20)

EDITORIAL/REVIEWER ASSIGNMENTS:

- Member, Associate Editorial Board, *Current Organocatalysis*, Bentham Science Publications (2020-)
- Member, Editorial Advisory Board, *SDC Journal of Theoretical and Experimental Research*, SDC Alp (2023-)
- Editor, *Proceedings of Recent Advances in Chemical Sciences RACS-2020. A National seminar* Organized by School of Chemical Sciences, M.G. University in February, 2020
- Reviewer of various journal published by ACS, Wiley, Elsevier, Springer, Bentham science, Taylor & Francis etc.

■ EXTENSION ACTIVITIES:

- Life Member, Magnetic Resonance Society Kerala (2020-)
- Joint Secretary, Mahatma Gandhi University Teachers Association-MGUTA (2019-2021)
- General Secretary, Higher Education Teachers Movement-HETM, Kerala (2018-)
- State Executive Committee Member, Association for State Employees and Teachers-ASET (2016-)
- Selected to CSIR National Cricket team in 2005
- Member of NIIST cricket team for 37th SSB tournament held at Roorkey, Uttarakhand in October 2004
- Member of S.B. College cricket team for intercollegiate & inter zonal tournament during 2000-2002
- Member of St. Michaels College cricket team for intercollegiate tournament during 1997-2000
- Chairman, Students Union-2003, College of Teacher Education, Alappuzha, Kerala.

■ COURSES TEACHING:

- M.Sc. : Polymer Chemistry, Polymer Materials, Specialty Polymers, Pericyclic Reactions
- Ph.D. : Research Methodology, Organo-Transition Metal Chemistry
- Integrated M.Sc. : Organic Chemistry, Pericyclic Reactions, Science Education, Academic Writing
- FYUGP : Organic Chemistry, Applied Chemistry

■ CONFERENCES/WORKSHOP/SEMINARS/EVENTS ORGANIZED:

1. Joint Convenor, *National workshop on NMR Spectroscopy*, jointly organised by School of chemical sciences and IIRBS MG University, in association with Magnetic Research Society Kerala (MRSK) during 27-29 November, **2025** at Mahatma Gandhi University, Kottayam
2. Co-ordinator, Invited lecture by Dr. S. Santhosh Babu from NCL(CSIR) Pune at SCS on 30th October, **2025**
3. Co-ordinator of five days Faculty development programme on "*Research methodology and OBE*" for college teachers organized by the College Development Council, Mahatma Gandhi University at SSV College, Valayanchirangara during 18th - 22nd August, **2025**
4. Organizing committee member, National Conference on "*Recent Advances in Chemical Sciences RACS-2025*" Organized by School of Chemical Sciences, M.G. University on 21st- 23rd August, **2025**.
5. Convenor, National seminar organized in honor of Prof. Anilkumar at SCS on 28th April, **2025**
6. Co-ordinator of science day lecture by Prof. Henrik Ottosson (Sweden) at IIRBS on 26th February, **2025**
7. Co-ordinator of special Invited lecture by Prof. Henrik Ottosson (Sweden) at SCS on 25th February, **2025**
8. Co-ordinator of Dr. C. V. Asokan memorial lecture seminar organized by SCS on 11th February, **2025**
9. Co-convenor, Prof. Ibnusaud memorial seminar organized by SCS and IIRBS on 23rd August, **2024**
10. Co-ordinator, special Invited lecture by Prof. M. Fujita (Japan) at IIRBS on 29th February, **2024**
11. Organizing committee member, National Conference on "*Recent Advances in Chemical Sciences RACS-2023*" Organized by School of Chemical Sciences, M.G. University on 13th- 15th December, **2023**.
12. Organized special Invited lecture by Prof. Wim Dehaen (Belgium) at IIRBS on August 10, **2023**
13. Organized special Invited lecture by Prof. Bernd Engles (Germany) at IIRBS on October 10, **2022**
14. Co-ordinator, 'Open Day Programme, Organized by IQAC, M. G. University, August 26, **2022**
15. Co-convenor, one day seminar on "*Women's Right awareness among university students*" jointly Organized by IUCDS & IIRBS, M.G. University on 19th July, **2022**.
16. Convenor, National seminar organized in honour of Prof. Suresh Mathew at SCS on 27th June, **2022**
17. Organising committee member, National Webinar on "*Perspectives in Spectroscopy*" Organized by School of Chemical Sciences, M.G. University on 7th and 8th January, **2022**
18. Co-ordinator, one day Student Induction Programme for newly admitted students in the campus, organized by IQAC, M.G. University on 16th January, **2021**
19. Convener, National Conference on "*Recent Advances in Chemical Sciences RACS-2020*" Organized by School of Chemical Sciences, M.G. University on 7th and 8th February, **2020**
20. Co-ordinator, one day Student Induction Programme for newly admitted students in SCS, organized by IQAC, M.G. University on 2nd August, **2019**
21. Co-ordinator, one day Student Induction Programme for newly admitted students in the campus, organized by IQAC, M.G. University on 16th July, **2019**

22. Convener, National seminar on “*Current Trends in Material Science*” Organized by Advanced Molecular Materials Research Centre (AMMRC) at M.G. University on 1st and 2nd March, **2019**
23. Co-ordinator, Linus Pauling Lecture Award Programme-2019 organised by School of Chemical Sciences, M.G. University on 27th February, **2019**
24. Co-ordinator, workshop on ‘*Microscale experiments in chemistry*’ organised by School of Chemical Sciences, M.G. University in support of DST-PURSE Phase II during 15-17, March, **2018**
25. Co-ordinator, *Shaastrayaan* (open house) Programme organized by M.G. University in association with Rashtriya Uchathar Sikhsa Abhiyan (RUSA)-SPD during 26 and 27th of February, **2018**
26. Co-ordinator, Workshop on “*safe handling of chemicals and management of chemical waste in laboratories*” organised by School of Chemical Sciences, M.G.U. in support of DST-PURSE Phase II on 23rd February, **2018**
27. Convener, National seminar on “*Recent Advances in Material science*” Organized by Advanced Molecular Materials Research Centre (AMMRC) at M.G. University on 18th and 19th November, **2016**
28. Co-ordinator, National work shop on “*Fundamentals and Applications Material science*” organized by AMMRC in association with SRIBS (KSCSTE) on March 4-6, **2016** held at Kottayam.
29. Co-ordinator of Dr. C. V. Asokan memorial lecture seminar organized by SCS on 11th March-**2014**.
30. Co-ordinator, SCS M.Sc. Students’ study tour and industrial visits (**2014, 2016, 2017, 2019, 2022, 2024**)
31. Co-ordinator, Onam/X-mas Celebrations, SCS, M.G. University (**2013, 2014, 2015, 2016**)
32. Co-ordinator, SCS monthly research seminar series (**2010-11**)

LIST OF PUBLICATIONS:

Patent

1. P. R. Sruthi, and S. **Anas**. “*Development of novel reusable polymer supported transition metal catalyst for coupling reactions*” Indian Patent No. 391643 (filed on 12.10.2019, granted on 10.03.2022)

Journal Publications

1. S. Arya, P. Badhra, S. **Anas**. Bio-Polymer Supported Heterogeneous Copper Catalysts for Azide- Alkyne Cycloaddition Reactions: An Overview *ChemistrySelect* **2026**, accepted (IF: 2.1)
2. P. S. Lakshmi, P.S. Devi, S. **Anas**, G. Anilkumar, *Enantioselective Cyanation: From Classical Approaches to Modern Catalytic Innovations* *Adv. Synth. Cat.* **2026**, accepted (IF 4.0)
3. S. Rubina, Riya Raj, R. Adithya, K. Aravind, S. **Anas**. A Sustainable Approach for Sonogashira Coupling Using an Immobilized Iron Catalyst *ChemistrySelect* **2026**, 11, e06750. (IF: 2.1)
4. P. K. Vineetha, P. Nidheesh, K. Aravind, K. Kala, N. Das, T. -S. Su, S. **Anas** Ladder-like Conjugated Polymers with Substituent-Driven π - π^* Interactions as Hole-Transporting Materials for Perovskite Solar Cells *ACS, Appl. Electron. Mater.*, **2026**, 8, 1, 270–281 (IF 4.7)
5. S. Arya, F. Rinsana, S. Rubina, S. **Anas**. A Facile and Reusable Heterogeneous Catalyst for Chan- Lam Coupling Reaction *J. Organomet. Chem.* **2026**, 1045, 123978 (IF: 2.3)
6. S. Rubina, S. Arya, S. **Anas**. An Efficient Heterogeneous Iron Catalyst for Click Reaction in Water: A Sustainable Alternative to Conventional CuAAC *ChemistrySelect* **2025**, 10, e03274 (IF: 2.1)
7. J. Jomon, G. Elssa, S. **Anas**, Sabu Thomas *Viscoelastic and Mechanical Properties of Epoxy/ Methyl Methacrylate Acrylonitrile Butadiene Styrene (MABS)/Hexagonal Boron Nitride Nanocomposites*, *Next Mat.* **2025**, 8, 100678 (IF: NA)
8. S. Rubina, K.A. Feby, S. **Anas**. Advances in photodegradation of organic pollutants using polymer supported Fenton catalysts *Tetrahedron. Green Chem.*, **2025**, 5, 100073 (IF: NA)
9. S. Roy, B. Francis, S. Menon, S. **Anas**, K.S. Krishnakumar, A. Krishnan, *Effect of Trimethylphenylammonium Tribromide/Carbonaceous Nanosystems on Mechanical and Thermal Properties of Unsaturated Polyester Resin: Experimental and Computational Perspective*, *Polymer*, **2025**, 318, 127982 (IF: 4.1)
10. P. R. Sruthi, S. Malini, S. Silpa, S. **Anas**. A novel reusable polymer supported palladium catalyst for Heck reaction *J. Organomet. Chem.* **2025**, 1025, 123452 (IF: 2.3)
11. S. Meenakshy, J. Jesslyn, S. **Anas**. Development and applications of polypyrrole-based conductive inks: An overview *Adv. Mater. Technol.*, **2025**, 10, 2401216 (IF: 6.4)
12. S. Arya, A. S. Asiya, S. **Anas**. A reusable polymer supported catalyst for copper-azide-alkyne cycloaddition (CuAAC) under ambient conditions *New. J. Chem.* **2024**, 48, 17385 (IF: 3.3)
13. G. Elssa, J. Jomon, P. Vijayan, H. Vahabi, S. C. George, S. **Anas** Effect of filler loading on the frictional, thermal and mechanical properties of ABS/boron nitride (h-BN) nanocomposites *Nano-structures & Nano-Obj.* **2024**, 40, 101372 (IF: NA)

14. P.K. Vineetha, P. V. Nair, S. Sruthy, **S. Anas**. Benzodithiophene-Based Copolymers as Dopant-Free Hole-Transporting Materials for Perovskite Solar Cells. *Energy Tech.* **2024**, 12, 2400591 (IF: 3.8)
15. S. Rubina, P.K. Vineetha, **S. Anas**. An efficient Polymer Supported Fenton Type Catalyst for Photodegradation of Organic Dyes. *J. Photochem & Photobio.A Chem* **2024**, 115410 (IF: 4.3)
16. J. Jomon, G. Elssa, P. Vijayan, **S. Anas**, S. Thomas, An overview of Synthesis, Morphology and applications of nanostructured Graphitic Carbon Nitride(g-C₃N₄). *J. Industrial Eng. & Chem.* **2024**, 35, 100987 (IF: 6.1)
17. G. Elssa, M. Abhisha, P. Vijayan, H. Vahabi, S. C. George, **S. Anas**. Polydopamine modified polymeric carbon nitride nanosheet based ABS nanocomposites for better thermal, frictional and mechanical performance *Nano-structures & Nano-Obj.* **2023**, 35, 100987 (IF: NA)
18. S. Rubina, Ritwigsarang, R. Roopak, **S. Anas**. Recent advances in Polymer Supported Proline derived catalysts for Asymmetric Reactions: A Review, *Current Organocatalysis*, **2023**, 10, 81 (IF: 1.1)
19. P. R. Sruthi, R. Roopak, **S. Anas**, "An Efficient Recyclable Polymer Supported Palladium Catalyst for Suzuki Reaction in Water" *ChemistrySelect*, **2023**, e202204374 (IF: 2.1)
20. G. Elssa, R. Remyasree, P. R. Sruthi, J. Jomon, S. Anas. Synthesis, Characterization and Studies of Chemically Modified Poly(Acrylonitrile-Butadiene-Styrene) through Nitrile Functionalization. *SDC Journal of Theoretical and Experimental Research*, **2023**, 1, 1 (IF: NA)
21. J. Jomon, P. Vijayan, A. Basa, S. Jose, K. Wingler, S. Thomas, **S. Anas** "Miscibility, thermal degradation and rheological analysis of epoxy/MABS blends" *Soft Matter*, **2022**, 19, 80 (IF: 3.4)
22. P. R. Sruthi, P. P. Nimmi, S. Santhosh Babu, **S. Anas**, "Highly Efficient and Reusable Polymer Supported Palladium Catalyst for Copper Free Sonogashira Reaction in Water" *ChemistrySelect*, **2022**, 7, e202104273 (IF: 2.1)
23. S. Rubina, Ritwigsarang, **S. Anas**. Polymer Supported Proline-Based Organocatalysts in Asymmetric Aldol Reactions: A Review, *Current Organocatalysis*, **2022**, 9, 124 (IF: 1.1)
24. G. Elssa, J. Jomon, P. Vijayan P, P.S. Sarath, S C. George, **S. Anas**. Development, characterization, and tribological behavior of polymeric carbon nitride/acrylonitrile butadiene styrene nanocomposites, *Poly. Composites*, **2021**, 43, 848 (IF: 5.2)
25. G. Elssa, J. Jomon, S. Anas. Acrylonitrile based polymer/grapheme nanocomposites: A review, *Poly. Composites*, **2021**, 42, 4961 (IF: 5.2)
26. T. V. Saranya, P. R. Sruthi, N. Ayana **S. Anas**, An Efficient Polymer Supported Palladium Catalyst for ortho Selective C-H Olefination of Anilides. *Chemistryselect* **2021**, 6, 2615 (IF: 2.1)
27. T.V. Saranya, P. R. Sruthi, Veena Raj, **S. Anas**, Novel and Efficient Heterogeneous Polymer Supported Copper Catalyst for Ligand Free Synthesis of 2-substituted Benzoxazoles from 2-Haloanilides *J. Organomet. Chem.* **2021**, 937, 121733 (IF: 2.3)
28. P. R. Sruthi, P. UmaSankar, T.V. Saranya, **S. Anas**, Facile Synthesis of Dihydroquinolines via Palladium Catalyzed Sequential Amination and Cyclisation of Morita-Baylis-Hillman Alcohols. *ChemistrySelect*, **2020**, 5, 13598 (IF: 2.1)
29. J. Jomon, G. Elssa, P. Haritha, S. Thomas, **S. Anas**. An overview off Boron Nitride Based Polymer Nanocomposites. *J. Poly. Sci.* **2020**, 58, 3115 (IF: 3.4)
30. P. R. Sruthi, Suresh Anjali, Nicy Varghese, **S. Anas**, Novel and Efficient Polymer Supported Copper Catalyst for Heck Reaction. *J. Organomet. Chem.* **2020**, 921, 121354 (IF: 2.3)
31. P. R. Sruthi, **S. Anas**, An Overview of Synthetic modifications of Nitrile group in Polymers and Applications *J. Poly. Sci.* **2020**, 58, 1039 (IF: 3.4)
32. A. Surendran, J. Jomon, P. Jyothishkumar, **S. Anas**, S. Thomas. An Overview of viscoelastic phase separation in epoxy systems *Soft. Matter*, **2020**, 16, 3363 (IF: 3.4)
33. J. Jomon, G. Elssa, S. Thomas, **S. Anas**. Effect of filler loading on polymer chain confinement and thermomechanical properties of epoxy/boron nitride (h-BN) nanocomposites. *New. J. Chem.* **2020**, 44, 4494. (IF: 3.3)
34. P. R. Sruthi, T. V. Saranya, **S. Anas**, Palladium Catalyzed Annulation of Morita-Baylis-Hillman Adducts: Synthesis of Indene and Indanone Derivatives, *ChemistrySelect*, **2020**, 5, 1648 (IF: 2.1)
35. P. R. Sruthi, V. Sarika, S. Arya, K. Aravind, **S. Anas**, Amidoxime Modified PAN Supported Palladium Complex: A Greener and Efficient Heterogeneous Catalyst for Heck Reaction. *Inorganica Chimica Acta*, **2020**, 502, 119305 (IF: 2.8)
36. J. Jomon, K. Winkler, K. Joseph, **S. Anas**, S. Thomas. Epoxy/Methyl Methacrylate Acrylonitrile Butadiene Styrene Copolymer (MABS) Blends: Reaction Induced Viscoelastic Phase Separation, Morphology Development and Mechanical Properties, *New J. Chem.* **2019**, 43, 9216. (IF: 3.3)
37. T. V. Saranya, P. R. Sruthi, **S. Anas**, "Facile Synthesis of 2- Benzoxazoles via CuI/2,2'-Bipyridine Catalyzed Intramolecular C-O Coupling of 2-Haloanilides, *Synth. Commun.*, **2019**, 49, 297 (IF: 2.1)
38. **S. Anas**. 'Mendeleevinte Jeevithakatha", *Shastrakeralam*, **2019**, June, Vol 51, P-17

39. A. D. Finke, B. O. Jahn, **S. Anas**, C. Dahlstrand, D. Nauroozi, S. Haberland, J. P. Gisselbrecht, C. Baoudon, E. Mijangos, W. B. Schweizer, S. Ott, H. Ottosson, F. Diederich, *6,6-Dicyanopentafulvene core: A template for the design of electron acceptor compounds* **Chem. Eur. J.** **2015**, *21*, 8168. (IF: 4.3)
40. **S. Anas**, A. Cordi, H. B. Kagan, *Enantioselective synthesis of 2-methyl indoline by palladium catalysed asymmetric C(sp³)-H activation/cyclisation*. **Chem. Comm.** **2011**, *47*, 11483. (Highlighted in **Synfacts**, 2011) (IF: 4.9)
41. S. C. George, S. Thulasi, **S. Anas**, K. V. Radhakrishnan, Y. Yamamoto, *Palladium Catalyzed 1,8-Conjugate Addition to Heptafulvene via Bis- π -allyl Palladium Complexes* **Org. Lett.** **2011**, *13*, 4984. (IF: 5.2)
42. S. C. George, J. John, **S. Anas**, J. John, Y. Yamamoto, E. Suresh, K. V. Radhakrishnan, *Novel Route towards Spiro-functionalized Oxindoles from Isatylidenes via Bis- π -Allyl Palladium Chemistry* **Eur. J. Org. Chem.** **2010**, *28*, 5489. (IF: 2.8)
43. **S. Anas**, H. B. Kagan, *Routes toward enantiopure 2-substituted indolines: An overview*. **Tetrahedron Asymmetry**, **2009**, *20*, 2193. (IF: 2.126)
44. V. S. Sajisha, **S. Anas**, J. John, K. V. Radhakrishnan, *Desymmetrization of meso bicyclic hydrazines: An efficient strategy towards the synthesis of functionalized cyclopentenones*. **Synlett** **2009**, 2885. (IF: 2.0)
45. **S. Anas**, V. S. Sajisha, J. John, N. Joseph, S. C. George, K. V. Radhakrishnan, *Facile synthesis of substituted alkylidenecyclopentenones via palladium catalyzed ring opening of fulvene derived bicyclic hydrazines*. **Tetrahedron** **2008**, *64*, 9689. (IF: 2.1)
46. **S. Anas**, C. Sarika, R. Rajan, K. V. Radhakrishnan, *A facile synthesis of novel triazabicyclic molecules as potential bicyclic templates for pharmaceutical ligands by the ring opening metathesis-cross metathesis of triazatricyclo [3.2.1.0^{2,6}]dec-8-ene-3,5-diones*. **Ind. J. Chem. B.** **2008**, *47B*, 1063. (IF: 0.456)
47. **S. Anas**, J. John, V. S. Sajisha, R. Rajan, J. Joshni, E. Suresh, K. V. Radhakrishnan, *Iodine assisted palladium catalyzed ring opening of bicyclic hydrazines with organoboronic acids: Stereoselective synthesis of functionalized cyclopentenones and alkylidene cyclopentenones*. **Org. Biomol. Chem.** **2007**, *5*, 4010. (IF: 3.2)
48. J. John, **S. Anas**, V. S. Sajisha, S. Viji, K. V. Radhakrishnan, *Palladium catalyzed ring opening of azabicyclic olefins with organoindium reagents: A simple, clean and efficient synthesis of functionalized cyclopentenones* **Tet. Lett.** **2007**, *48*, 7225. (IF: 1.8)
49. **S. Anas**, K. S. Krishnan, V. S. Sajisha, K. S. Anju, K. V. Radhakrishnan, E. Suresh, C. H. Suresh, *Interplay of dual reactivity in the reaction of pentafulvenes with 1,2,4-triazoline-3,5-diones: Experimental and theoretical investigations*. **New J. Chem.** **2007**, *31*, 237 (IF: 3.3)
50. **S. Anas**, V. S. Sajisha, R. Rajan, T. Kumaran, K. V. Radhakrishnan, *Ionic liquid [bmim]PF₆ mediated synthesis of 1,2-orthoesters of carbohydrates and the glycosidation reactions of 4-pentenyl orthoesters*. **Bull. Chem. Soc. Jap.** **2007**, *80*, 553 (IF: 5.121)
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Books/Book Chapters/Popular article

1. Pratheesh V. Nair, Rafeena Fathima Rasheed, **S. Anas**, 'Polyurethane nanocomposites: synthesis methods, functionalization strategies, and fundamental properties' (A chapter in book entitled "Polyurethane Nanocomposites, Design Formulations, Preparation, Characterization and Applications" by Elsevier, **2025**, ISBN: 978-0-443-29904-9, Chapter 2, P-39) <https://doi.org/10.1016/B978-0-443-29904-9.00014-1>
2. Geethy P. Gopalan, Arya Suku, **S. Anas**, *Nanostructured Cellulose: Extraction and Characterization*. (A chapter in the Handbook of Biomass. Springer, Singapore, **2023** ISBN: 978-981-19-6772-6) https://doi.org/10.1007/978-981-19-6772-6_34-1
3. Geethy P. Gopalan, **S. Anas** "Structural, morphological and textural properties of biopolymers" (A chapter in the hand book of Biopolymers, Springer, Singapore., **2022**, ISBN: 978-981-16-6603-2,) https://doi.org/10.1007/978-981-16-6603-2_56-1

4. S. Thomas, **S. Anas**, J. Jomon (Editors). '*Synthesis, Characterization and Applications of Graphitic Carbon Nitride: An emerging carbonaceous material*;' (An edited book, Elsevier, **2022**, ISBN: 978-0-12-823038-1,) <https://doi.org/10.1016/C2019-0-04129-5>
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6. P. R. Sruthi, T.V. Saranya, **S. Anas** '*Flame retardancy and thermal properties of Graphitic Carbon Nitride based materials*' (A chapter in Elsevier book, **2022**, ISBN: 978-0-12-823038-1, chapter 8, P:- 207) <https://doi.org/10.1016/B978-0-12-823038-1.00005-2>
7. J. Jomon, G. Elssa, **S. Anas**, S. Thomas, '*Applications of Self-Healing Polymeric systems*' (A chapter in book entitled "*Self-Healing Polymer Based Systems*" by Elsevier, **2020**, ISBN: 978-0-12-818450-9, Chapter 17, P-495) <https://doi.org/10.1016/B978-0-12-818450-9.00016-7>
8. **S. Anas**, C. Mohan, K.B. Subila. Edited the '*Proceedings of the National Conference on Recent Advances in Chemical Sciences*' Organized by School of chemical Sciences, M.G. University, **2020** (ISBN 978-93-80419-46-6)
9. **S. Anas**, An article on the content "*Glass Transition Temperature*" in the book entitled *Short learning objects for E-learning and MOOCs* published as part of the Faculty Development programme Organised by Mahatma Gandhi University, Kottayam, **2019** (ISBN 978-93-80419-42-8, Page 82-92) <https://socs.mgu.ac.in/mooc-e-content-development-for-teaching-and-learning/>

Paper Presentation in Seminars/Conferences (Abroad)

1. R.V. Revathy, **S. Anas**, P. Poornima Vijayan "*Synthesis and characterization of cardanol -based epoxy resin for high performance applications*" a paper presented in the International Conference on Advanced and Sustainable Materials, ICASM-2025 organized by Qatar University, **Qatar**. November 16-18, 2025 (#Abs No. P-194).
2. A. M. Rouf, J. Tibbelin, B. O. Jahn, **S. Anas**, R. Emanuelsson, K. Lozinski, H. Ottosson, *Efficient and convenient acid catalyzed hypersilyl protection of alcohols & thiols by tris(trimethylsilyl)silyl-N,N-dimethylmethaneamide*, a paper presentation at 245th ACS National Meeting & Exposition. New Orleans, **USA** April 7-11, 2013, ISSN 0065-7727, Vol 245, P 312-ORGN.
3. **S. Anas**, B. O. Jahn, C. Dahlstrand, D. Nauroozi, S. Ott, H. Ottosson, *Synthesis and exploration of 6,6-dicyanosubstituted fulvenes in their lowest excited states*; a poster presented at the symposium on Trends in Organic Chemistry: The Physical Organic View, Uppsala University, **Sweden**, November, 2012, P 05.
4. **S. Anas**, B. O. Jahn, C. Dahlstrand, H. Ottosson, *Design, synthesis and exploration of substituted fulvenes in their lowest excited states*; a poster presented at 21st IUPAC International Conference on Physical Organic Chemistry (ICPOC-21), Durham University, **UK**, September, 2012, P 012.

Paper Presentation in Seminars/Conferences (India)

5. Riya Raj, Arya Suku, and **S. Anas**. Presented paper entitled "A Sustainable Heterogeneous Nickel Catalyst for Click Reaction in Water" in the 24th Prof. K. V. Thomas Endowment Seminar & 5th International Conference on New Trends in Applied Chemistry – 2026 held during 20- 21 February **2026** at Sacred Heart College (Autonomous), Thevara, Kochi. # Abs No. GC-03, P-125 (**Best Paper Award**)
6. Arya Suku, Riya Raj, Praveena A P, **S. Anas**, "A Facile and Efficient Synthesis of Benzimidazole Using an Immobilized Copper Catalyst" 24th Prof. K. V. Thomas Endowment Seminar & 5th International Conference on New Trends in Applied Chemistry – 2026 held during 20- 21 February **2026** at Sacred Heart College (Autonomous), Thevara, Kochi. # Abs No. GCP1, P-128 (**Best Poster Award**).
7. P. K. Vineetha, P. Nideesh, K. Aravind, S. S. Tzu, **S. Anas**, A paper presented on "Substituent-Engineered Ladder-Like Conjugated Polymers Enabling Enhanced π - π Interactions for Efficient Perovskite Solar Cells", during KSHC - National Research Conference and Kerala Higher Education Expo held on 09–11 February **2026** at Government College for Women, Thiruvananthapuram. #Abs No
8. Riya Raj, Arya Suku, Parvathy M V and **S. Anas**. "Immobilized Nickel Catalyst For AAC Reaction in Water: A Sustainable Approach for Click Reaction" A poster presented in the 38th Kerala Science Congress, KSC-2026 organized by the Kerala State Council for Science and Environment (KSCSTE) held during 30th January to 2nd February **2026** at St Albert's College, Ernakulam. # Abs No. 03-60, P-178
9. Arya Suku, Riya Raj, **S. Anas**, "A Reusable Polymer Supported Copper Catalyst for Ullmann Type C-O Coupling" A paper presented in 38th Kerala Science Congress, organised by the Kerala State Council for Science, Technology and Environment (KSCSTE), held during 30th January to 2nd February **2026** at St Albert's College (Autonomous), Ernakulam #Abs No.03-45, P-165.
10. P. K. Vineetha, P. Nideesh, K. Aravind, S. S. Tzu, **S. Anas**, Ladder-like conjugated polymers with Substituent-driven noncovalent interactions as Dopant-free hole-transporting materials for High-performance perovskite solar cells, 38th Kerala Science Congress organised by the Kerala State Council for Science and Environment (KSCSTE) held during 30th January to 2nd February **2026**, at St Albert's College, Ernakulam. #Abs No
11. Riya Raj, Arya Suku and **S. Anas**. "A Sustainable Approach for Click Reaction Using an Immobilized Nickel Catalyst" A poster presented in the National Conference on Integrated Approaches in Organic, Theoretical and Material Chemistry NCIOTM-2026 organized by Department of Chemistry, CMS College, Kottayam during 21-23 January **2026**. # Abs No. PP20, P-105. ISBN 978-81-9547659-6
12. R V Revathy, **S. Anas**, P. Poornima Vijayan "*Development of cardanol -based epoxy resin for multifunctional applications*" A poster presented in the National Conference on Integrative Approaches in Organic, Theoretical and Material Chemistry (NCIAOTM 2026) organized by Department of Chemistry, CMS College, Kottayam during 21-23 January **2026** #Abs No. OP-03, P-.57.

13. Revathy R V, **S. Anas**, Poornima Vijayan P “*Synthesis and characterization of sustainable epoxy resin from various bio-renewable sources*” Presented a Poster in the International Conference on Recent Advances in Emerging Polymeric Materials: Bridging Science & Industry (POLYMER-2026) conducted by the School of Polymer Science and Technology, MG University, Kottayam on 8-11 January, **2026** #Abs No.
14. P. K. Vineetha, P. Nideesh, K. Aravind, S. S. Tzu, **S. Anas**, Ladder-like Conjugated Polymers with Substituent-Driven π - π Interactions as Dopant-Free Hole-Transporting Materials for Perovskite Solar Cells, NCMST National Conference, Indian Institute of Space Science and Technology (IIST), Valiamala, Thiruvananthapuram, 18 – 20th December **2025**. #Abs No
15. Arya Suku, Riya Raj, Praveena A P, **S. Anas**, “A Facile, Sustainable and Efficient Polymer-Supported Nickel Catalyst for Azide-Alkyne Cycloaddition in Water” A paper presented in National Seminar on Frontiers in Chemical Sciences (FCS) organized by the Department of Chemistry, University of Calicut on 5-7th November **2025**. #Abs No. OP16, P-64.
16. Arya Suku, Praveena A P, Parvathy M V, **S. Anas**, “A Sustainable and Reusable Copper Catalyst for Ullmann Type C-O bond formation Reaction” A paper presented in Three- Day International Conference organized by Dr. Paulos Mar Gregorios Chair, School of Gandhian Thought and Development Studies MGU, School of Environmental Sciences, MGU and Roy International Children’s Foundation on 6-8th October **2025**. #Abs No
17. Revathy R V, **S. Anas**, Poornima Vijayan P. “*Synthesis and characterization of gallic acid -based epoxy resin from Annona reticulata*” Presented a paper in the International Conference on Emerging Nanotechnologies, Nanofest-2025 organised by School of Nanoscience and Nanotechnology, MG University, Kottayam. October 8-10, **2025**. (**Best poster award**)
18. Rubina Shajahan, Malini Sivan, Parvathy M.V., **S. Anas**, A Sustainable Approach for Sonogashira Cross-coupling Using an Immobilized Iron Catalyst, A paper presented in national Conference on recent advances in chemical sciences (RACS-2025) organised by the school of Chemical sciences, MG university, Kottayam, on 21-23, August, **2025** # Abs No.SL-01, P-25
19. Suku Arya, Riya Raj, Praveena A.P., Feby A.K., **S. Anas**, A Sustainable Copper Catalyst for Ullmann-Goldberg C-O bond formation Reaction, A paper presented in national Conference on recent advances in chemical sciences (RACS-2025) organised by the school of Chemical sciences, MG university, Kottayam, on 21-23, August, **2025** # Abs No.SL-02, P-30
20. Riya Raj, Suku Arya, Feby A.K., **S. Anas**, A Facile and Efficient Polymer-Supported Nickel Catalyst for Alkyne-Azide Cycloaddition Reaction in Water, A poster presented in national Conference on recent advances in chemical sciences (RACS-2025) organised by the school of Chemical sciences, MG university, Kottayam, on 21-23, August, **2025** # Abs No.PP-06, P-106
21. Revathy R.V., **S. Anas**, Poornima Vijayan, Synthesis and characterization of gallic-based epoxy resin from *Annona reticulata*, A poster presented in national Conference on recent advances in chemical sciences (RACS-2025) organised by the school of Chemical sciences, MG university, Kottayam, on 21-23, August, **2025** # Abs No.PP-16, P-130
22. Revathy R V, **S. Anas**, Poornima Vijayan P. Presented paper entitled “Development of sustainable vanillin-based epoxy resin from Vanilla plantifolia” in the International Conference on Polymers and Nanomaterials, ICPN-2025 organised by School of Nanoscience and Nanotechnology, MG University, Kottayam. during March 21-23, **2025** (#Abs OP: 64, P-106).
23. Revathy R V, **S. Anas**, Poornima Vijayan P. Presented paper entitled “*Development of biobased epoxy resin for sustainable future*” in the National seminar on Exploring the Cosmos, the Crime Scene, and the Cell: A Chemical Odyssey at MSM College, Kayamkulam during February 17-18, **2025** (Proceedings ISBN: 978-93-92585-50-0, P-117) (**Best Paper Award**)
24. Rubina Shajahan, **S. Anas**. “A Reusable Heterogeneous Iron Catalyst For Click Reaction In Water: A Sustainable Approach” A paper presented in 37th Kerala Science Congress held during 8th-11th February **2025** at Kerala Agricultural University, Trissur, # Abs No.03-09, P-221
25. Vineetha P.K, **S. Anas**. “Low Band Gap Ladder-Like Conjugated Polymers as Hole Transport Materials for Perovskite Solar Cells” A paper presented in the 23rd Prof. K. V. Thomas Endowment National Seminar On Frontiers In Materials Science organised organized by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam during 17th-18th November, **2024**. # Abs No. AMI O12, P-38 (**Best Paper Award**)
26. Arya Suku, Malini Sivan, **S. Anas**. “Functionalized Polyacrylonitrile Supported Copper Catalyst for CuAAC in Water ” A paper presented in the 23rd Prof. K. V. Thomas Endowment National Seminar On Frontiers In Materials Science organised organised by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam during 17th-18th November, **2024**. # Abs No. GCh O1, P-95
27. Riya Raj, Rubina Shajahan, **S. Anas**. “A Facile and Efficient Polymer Supported Iron Catalyst for Click Reaction in Water ” A paper presented in the 23rd Prof. K. V. Thomas Endowment National Seminar On Frontiers In Materials Science organised organised by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam during 17th-18th November, **2024**. # Abs No. GCh P1, P-103
28. Rubina Shajahan, **S. Anas**. “Unveiling the Hidden Catalysis with an Immobilized Iron Complex: A Sustainable Approach for Biaryl Coupling” A paper presented in the 23rd Prof. K. V. Thomas Endowment National Seminar On Frontiers In Materials Science organised organised by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam during 17th-18th November, **2024**. # Abs No. OCh O6, P-113
29. Malini Sivan, Arya Suku, **S. Anas**. “A Reusable Heterogeneous Palladium Catalyst for C-H Activation Reaction” A poster presented in the 23rd Prof. K. V. Thomas Endowment National Seminar On Frontiers In Materials Science organised organised by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam during 17th-18th November, **2024**. # Abs No. OCh P4, P-121
30. Arya Suku, Malini Sivan, **S. Anas**. “Monoethanolamine Functionalized Polyacrylonitrile Supported Copper catalyst for Click reaction in Water” A paper presented in 36th Kerala Science Congress held during 8th-11th February **2024** at Government College, Kasaragod.
31. Malini Sivan, Arya Suku, **S. Anas**. “C-H Activation of Styrene with Benzene using Reusable Polymer Supported Palladium catalyst” A poster presented in 36th Kerala Science Congress held during 8th-11th February **2024** at Government College, Kasaragod.
32. Vineetha P.K, **S. Anas**. “Thiadiazolo Quinoxaline- Based Donor- Acceptor System with Ultrabright Red to Near Infrared Fluorescence” A poster presented in National Conference on Recent Advances in Chemical Sciences (RACS 2023) Organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 13th- 15th December **2023**.

33. Rubina Shajahan, Arya Suku, **S. Anas**. "Efficient and Reusable Heterogeneous Iron catalyst for Suzuki- Miyaura Reaction" A paper presented in National Conference on Recent Advances in Chemical Sciences (RACS 2023) Organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 13th- 15th December **2023**.
34. Arya Suku, Rubina Shajahan, **S. Anas**. "A Reusable Heterogeneous Copper Catalyst for Click Reaction in Water" A poster presented in National Conference on Recent Advances in Chemical Sciences (RACS 2023) Organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 13th- 15th December **2023**.
35. Lekshmi Prasad, Malini Sivan, **S. Anas**. "Heterogeneous Polymer Supported Palladium Catalyst for C-H Activation" A poster presented in National Conference on Recent Advances in Chemical Sciences (RACS 2023) Organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 13th- 15th December **2023**. (**Best Poster Award**)
36. Arya Suku, Rubina Shajahan, **S. Anas**. "Novel and Reusable Heterogeneous Polymer Supported Copper Catalyst for Chan-Lam Coupling Reaction Under Mild Conditions" A poster presented in National Symposium on Magnetic Resonance: Theory, Instrumentation and Applications on Jointly Organized by Department of Chemistry, Government College Kottayam and Magnetic Resonance Society Kerala (MRS) on 23rd-25th June **2023**. (**Best Poster Award**)
37. Rubina Shajahan, Arya Suku, **S. Anas**. "Novel and Reusable Heterogeneous polymer Supported Iron Catalyst For Suzuki-Miyaura Reaction" A poster presented in National Symposium on Magnetic Resonance: Theory, Instrumentation and Applications on Jointly Organized by Department of Chemistry, Government College Kottayam and Magnetic Resonance Society Kerala (MRS) on 23rd-25th June **2023**.
38. Malini Sivan, Rubina Shajahan, **S. Anas**. "Novel Reusable Heterogeneous Polymer Supported Palladium Catalyst for C-H Activation" A poster presented in National Symposium on Magnetic Resonance: Theory, Instrumentation and Applications on Jointly Organized by Department of Chemistry, Government College Kottayam and Magnetic Resonance Society Kerala (MRS) on 23rd-25th June **2023**.
39. Vineetha P.K, **S. Anas**. "Synthesis and Characterization of [1,2,5]thiadiazolo[3,4-g]quinoxaline based Donor Acceptor System" A poster presented in National Symposium on Magnetic Resonance: Theory, Instrumentation and Applications on Jointly Organized by Department of Chemistry, Government College Kottayam and Magnetic Resonance Society Kerala (MRS) on 23rd-25th June **2023**.
40. Arya Suku and **S. Anas**, "Novel reusable Heterogeneous Catalyst for Click reaction under Ambient conditions" a poster presented in the 35th Kerala Science congress, held at Kuttikkanom, Idukki during 10-14 February, **2023**, # Abs No. 03-20, P-95
41. Malini Sivan and **S. Anas**, "Direct ortho Acetoxylation of aniline using a Novel reusable Heterogeneous Palladium Catalyst " a poster presented in the 35th Kerala Science congress, held at Kuttikkanom, Idukki during 10-14 February, 2023, # Abs No. 03-26, P-100
42. Rubina shajahan and **S. Anas**, "Novel and Efficient Polymer Supported Iron Catalyst for Photodegradation of Organic Dyes" a poster presented in the 35th Kerala Science congress, held at Kuttikkanom, Idukki during 10-14 February, 2023, # Abs No. 03-28, P-102
43. Elssa George, Jomon Joy and **S. Anas**, "Polymeric carbon nitride based ABS nanocomposites for Better mechanical and frictional properties" A paper presented at the 4th international symposium on New Trends in Applied Chemistry (NTAC-2023) organized by S.H.College, Thevara during 7-8 February, 2023 # Abs No. ANM-02, P-54 (**Best Paper Award**)
44. Rubina shajahan and **S. Anas**, "Design and Synthesis of Reusable Polymer supported Iron Complex for Photocatalytic Applications" A poster presented at the 4th international symposium on New Trends in Applied Chemistry (NTAC-2023) organized by S. H. College, Thevara during 7-8 February, **2023** # Abs No. Gch-P6, P-95 (**Best Poster Award**)
45. T. V. Saranya, P. R. Sruthi, and **S. Anas**, "Novel and Efficient Polymer supported Palladium Catalyst for Direct CH bond Alkenylation of Anilides" A poster presented in the National conference on Recent Advances in Chemical Sciences (RACS-2020) organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 7-8, February, **2020**. #Abs No. P28, P-50
46. J. Vincent, F. N Ayisha, P. R. Sruthi and **S. Anas**. "Inter and Intramolecular Heck Coupling of Morita-Baylis-Hillman Adducts Using Polymer Supported Pd Catalysts Under Solvent Free Conditions" A poster presented in the National conference on Recent Advances in Chemical Sciences (RACS-2020) organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 7-8, February, **2020**. #Abs No. P24, P-46
47. Elssa George, Jomon Joy, **S. Anas**. "Preparation and Mechanical Studies on ABS/G-C3N4 and ABS/H-BN Composites" A poster presented in the National conference on Recent Advances in Chemical Sciences (RACS-2020) organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 7-8, February, **2020**. #Abs No. P15, P-37
48. P. R. Sruthi, and **S. Anas**, "Modified Polyacrylonitrile (PAN) Supported Transition Metal Complexes: Greener and Efficient Catalysts for Coupling Reactions" A paper presented in the National conference on Recent Advances in Chemical Sciences (RACS-2020) organized by School of Chemical Sciences, Mahatma Gandhi University, Kottayam on 7-8, February, **2020**. #Abs No. SL03, P-18
49. P. R. Sruthi, T.V. Saranaya, P.P. Nimmi and **S. Anas**, A poster presented on "Novel Reusable Polymer Supported Palladium Catalyst for Sonogashira and Suzuki Reactions in Water" in the International workshop on Catalysis and Applications (IWCA-2020) organized by IUCNN, MG university in association with Ariel University, Israel on 28-30 January, **2020** (**Best poster award**)
50. T.V. Saranya, P. R. Sruthi, R. Veena and **S. Anas**, A poster presented on "Greener Synthesis of Benzoxazoles from 2-haloanilides using a Novel Heterogeneous Polymer Supported Copper Catalyst" in the international workshop on Catalysis and Applications (IWCA-2020) organized by IUCNN, MG university in association with Ariel University, Israel on 28-30 January, **2020**
51. J. Jomon, **S. Anas**, S. Thomas. A poster presented in the international conference on Nanomaterials: Synthesis, Characterization and Applications at IUCNN held at Mahatma Gandhi University, during 12-14 April, 2019 (**Best poster award**)
52. P. R. Sruthi, T.V. Saranya, Anjali S. Nair, **S. Anas**, "Novel Reusable Polymer Supported Copper Catalyst for Heck Type Coupling Reactions" A poster presented at the Prof. K.V. Thomas International Symposium on New Trends in Applied Chemistry (NTAC-2019) organized by S. H. College, Thevara during 14-15 January, 2019 # Abs No. OC-74, P-138

53. P. R. Sruthi, and S. **Anas**, "*Preparation and characterization of novel polymer supported metal catalysts and its applications in coupling reactions*" A paper presented in the 31st Kerala Science congress, held at Fatima Matha National College, Kollamduring 2-3 February, **2019**, # Abs No. 03-2, P-43
54. G. Elssa, J. Reshma, J. Jomon, **S. Anas**, "*Preparation and studies of ABS based Cloisite 15a Nano composites*" a poster presented in the international conference on Frontiers at the Chemistry-Allied Sciences Interface (FSASI-2018) held at University of Rajasthan, Jaipur during 21-22 December, 2018 # Abs No. A-391, P-198
55. J. Jomon, G. Elssa, **S. Anas**, S.Thomas "*Studies of Reaction Induced Viscoelastic Phase separation, Morphological and Mechanical Properties of MABS/epoxy blends*" a poster presented in the international conference on Frontiers at the Chemistry-Allied Sciences Interface (FSASI-2018) held at University of Rajasthan, Jaipur during 21-22 December, 2018 # Abs No. A-518, P-250
56. J. Jomon, **S. Anas** "*Thermo Mechanical properties of methyl methacrylate-ABS/epoxy blends*" a paper presented at Prof R. H. Sahasrabudhey Birth Centenary Symposium (CYHOC) held at Trivandrum on 15 December, **2018**
57. P. R. Sruthi, T.V. Saranya, **S. Anas**, "*Facile synthesis of Indenes via Palladium catalyzed cyclization of Baylis-Hillman adducts*" a poster presented in the national seminar on Current Trends in Chemistry (CTric-2018) held at Cochin University of Science and Technology, on 16th-17th, February, **2018**, # Abs No. PP 08, P-72
58. T. V. Saranya, P. R. Sruthi, **S. Anas**, "*Synthesis of Benzoxazoles via Copper catalyzed cyclisation of 2-haloanilides*" a poster presented in the national seminar on Current Trends in Chemistry (CTric-2018) held at Cochin University of Science and Technology, on 16th-17th, February, **2018**, # Abs No. PP 02, P-62
59. G. Elssa, J. Reshma, J. Jomon, **S. Anas**, "*Preparation and studies of ABS based Cloisite 15a nanocomposites*" a poster presented in the national seminar on Current Trends in Chemistry (CTric-2018) held at Cochin University of Science and Technology, on 16th-17th, February, **2018**, # Abs No. PP 06, P-68
60. J. Jomon, **S. Anas**, S.Thomas "*Studies of MABS/epoxy blends for improved mechanical properties*" a poster presented in the national seminar on Current Trends in Chemistry (CTric-2018) held at Cochin University of Science and Technology, on 16th-17th, February, **2018**, # Abs No. PP 09, P-73
61. J. Jomon, G. Elssa, **S. Anas**, S. Thomas "*Preparation and properties of methyl methacrylate acrylonitrile butadiene styrene/epoxy blends*" a poster presented in the 30th Kerala Science congress, held at Govt. Brennen College, Thalassery during 28-30 January, **2018**, # Abs No. 03-30, P-96
62. P. R. Sruthi, T. V. Saranya, **S. Anas**, "*Palladium catalyzed annulation of Baylis-Hillman adducts towards the facile synthesis of Indanones*" a poster presented in the 30th Kerala Science congress, held at Govt. Brennen College, Thalassery during 28-30 January, **2018**, # Abs No. 03-45, P-107.
63. T. V. Saranya, P. R. Sruthi, **S. Anas**, "*Facile method for the synthesis of Benzoxazoles via Copper catalyzed intra-molecular C-O bond formation*". A paper presented in the 27th Swadeshi Science Congress, held on 7-9, November **2017** held at Amritha University, Kollam No. BSD-MPC OP-17 # Abs P-199
64. P. R. Sruthi, T. V. Saranya, **S. Anas**, "*Novel synthesis of Indanones Via Intramolecular Cyclisation of Baylis-Hillman Adducts*". A paper presented in the 27th Swadeshi Science Congress, held on 7-9, November **2017** held at Amritha University, Kollam No. BSD-MPC OP-18 # Abs P-200
65. G. Elssa, J. Jomon, **S. Anas**, "*Thermal Studies on ABS based Clay nano composites*". A paper presented in the 27th Swadeshi Science Congress, held on 7-9, November **2017** held at Amritha University, Kollam No. BSD-MPC OP-20 # Abs P-201
66. J. Jomon, G. Elssa, **S. Anas**, "*Mechanical and Thermal Properties of Epoxy/ABS blends*". A paper presented in the 27th Swadeshi Science Congress, held on 7-9, November **2017** held at Amritha University, Kollam No. BSD-MPC OP-22 # Abs P-203
67. P. Syneesh, P. Anu Nair, A. Krishnan, M. Manoj, P. Sachin, **S. Anas**, "*Experimental study on the effects of Bio ethanol petrol blends in a spark ignition engine: Performance Analysis*". A paper presented in the second international conference on mechanical and manufacturing engineering (ICMME-2017) on 6-7 April, **2017**, at SCSVMV University, Kanchipuram, Tamilnadu # Abs P -74
68. **S. Anas**, "*Exploring the versatility of pentafulvenes*", a paper presented at the national conference on recent advances in spectroscopy: Chemical and Biological perspective-II organized by Newman College, Thodupuzha, Sept-**2015**, Abs-14.
69. **S. Anas**, Paper presented entitled "*Our research practices: A re-search*" in the national seminar on "Research Education in Kerala: Trends/Gaps" organized by Society for Educational Research in connection with Kerala Education congress conducted by SIO Kerala Chapter held at Thiruvananthapuram on 16-17 November **2013**.
70. **S. Anas**, presented a paper on "*Alternative Energy Resources in Kerala*" in the New Kerala development forum organized by Solidarity Youth movement held at Ernakulam on **2011**, March 11.
71. **S. Anas**, K. V. Radhakrishnan, "*Palladium catalyzed desymmetrization of fulvene derived azabicyclic olefins: Stereoselective synthesis of alkylidenecyclopentenones*"; a paper presented at 3rd J-NOST conference, Guru Nanak Dev University, Amritsar, November, **2007**, Abs-4.
72. **S. Anas**, R. Rajan, K. V. Radhakrishnan, "*Synthesis of novel multifunctional triazabicyclic molecules as potential bicyclic templates for pharmaceutical ligands*"; a poster presented at 3rd International Conference on Current Trends in Drug Discovery Research (CTDDR), Lucknow, February, **2007**, P 171.
73. J. John, V. S. Sajisha, **S. Anas**, K. V. Radhakrishnan, "*Stereoselective synthesis of functionalized cyclopentenones through palladium/iodine catalyzed ring opening of bicyclic hydrazines with boronic acids*"; a poster presented at 3rd International conference on Current Trends in Drug Discovery Research (CTDDR 2007), CDRI-Lucknow, February, **2007**, P 172.
74. **S. Anas**, V. S. Sajisha, R. Rajan, J. M. Chacko, K. V. Radhakrishnan, "*Facile and environmentally benign synthesis of 1,2-orthoesters of carbohydrates in ionic liquid [bmim]PF₆*"; a poster presented at Joint International Conference on Building Bridges, Forging Bonds for 21st Century Organic Chemistry and Chemical Biology (ACS-CSIR OCCB 2006), NCL-Pune, January, **2006**, P 005.
75. V. S. Sajisha, **S. Anas**, M. Smitha, K. V. Radhakrishnan, "*Palladium catalyzed reaction of bicyclic hydrazines with allyltributyltin in Ionic Liquid [bmim]PF₆: A facile method for the stereoselective synthesis of substituted hydrazinocyclopentenone derivatives*", a poster presented

at Joint International Conference on Building Bridges, Forging Bonds for 21st Century Organic Chemistry and Chemical Biology (ACS-CSIR OCCB 2006), Pune, January, **2006**, P 126.

INVITED LECTURES/TALKS/KEY NOTE ADDRESS:

1. Keynote speaker of the college day celebrations in St. Joseph's College for Women, Alappuzha on 17th March, **2026**
2. Invited talk on "*The art of scientific inquiry: Principles, Practices and Perspectives*" as part of National science day celebrations, organized by MACFAST, Thiruvalla on 23rd February, **2026**.
3. Invited lecture on "Developing novel heterogeneous Iron catalysts for sustainable chemical processes" in the National research conference organised by KSHEC, at Government Women's College, Thiruvananthapuram during 9-11 February, **2026**
4. Invited lecture on "*Exploring novel heterogeneous catalysts towards sustainable organic synthesis*" in the National conference (**NCIAOTM 2026**) organised by the department of chemistry, CMS college, during 21-23 January, 2026 (# IL 04 P-15)
5. Invited talk on "Organic chemistry: History, developments and trends" in the faculty training programme of HSE teachers, organized by TKM College Kollam, on 6th January, **2026**.
6. Invited lecture on "*Greening organic reactions via Polymer immobilized catalysts*" in the National seminar on Frontiers in chemical sciences organised by the department of chemistry, University of Calicut during 5-7 November, 2025 (# IL 04 P-15)
7. Invited talk on "*Towards Sustainable Organic Synthesis: From Wöhler's Urea to Modern Marvels*" at S.B. College Changanassery, Kerala as part of the Chemistry association inaugurations on 8th August, **2025**.
8. Invited talk on "*The art of scientific inquiry: Methods and Practices*" in a webinar as part of National science day celebrations, organized by Kerala University College of Teacher Education, Nedumangad, Thiruvananthapuram on 18th March, **2025**.
9. Invited talk on "*Milestones in organic synthesis: From Wohler to Modern catalysis*" as part of National science day celebrations, organized by BCM College, Kottayam on 13th March, **2025**.
10. Invited talk on "*Two centuries of Synthesis: From Wohler to Modern catalysis*" as part of National science day celebrations, organized by Department of Chemistry, KSMD College, Sasthamcotta, on 7th March, **2025**.
11. Invited talk on "*The Alchemists Legacy: From Wohler's Urea to Modern Marvels*" as part of the science day celebrations, organized by IIRBS, MG University, on 5th March, **2025**.
12. Invited talk on "*Towards sustainable Organic synthesis: Progress and Prospects*" in the National seminar on Exploring the Cosmos, the Crime Scene, and the Cell: A Chemical Odyssey organized by department of chemistry, MSM College, Kayamkulam on 17th February, **2025**.
13. Invited talk on "*Sustainable Synthetic Routes towards Potential Bio-Functional Molecules*" organized by the department of chemistry, SN College, Cherthala on 17th January, **2025**.
14. Invited talk on "*Exploring Functionalized Polymers towards Supported Catalysis*" in the national seminar on Current Trends in Polymer Science (CTPS) organized by the department of polymer science and rubber technology, CUSAT on 28th October, **2024**.
15. Orientation class on "*prospects in Higher education*" in connection with the merit award function organised by Aliv charitable society, Athirampuzha, Kottayam on 6th July, **2024**.
16. Keynote Lecture and Orientation class on "*New trends in Higher education*" in connection with the merit award function organised by NSS, Cherthala Thaluk Union on 29th June, **2024**.
17. Invited talk on "*Research Methodology*" as part of the research meet organized by MA College Kothamangalam, on 20th June **2024**
18. Invited talk on "*Research Methodology*" as part of the workshop organized by SH College, Thevara, on 8th June **2024**
19. Plenary talk on "*Transition Metals in Organic Synthesis*" in the international conference on MESMAC organized by MES Mampad College on 9th January **2024**.
20. Invited talk on "*Transition Metal catalysed Organic Synthesis*" as resource person in the National Seminar organised by Department of chemistry St. Josephs College, Moolamattom on 21st February, **2023**.
21. Invited talk on "*Research: What, Why and How?*" as part of the gifted children programme in Cherthala sub district, organised by Department of General Education, Govt of Kerala on 11th February, **2023**
22. Invited talk on "*Transition Metal Mediated Organic synthesis: Progress and Prospects*" as part of the chemistry association inauguration of Department of chemistry, St. Michaels College, Cherthala, on 2nd December, **2022**
23. Invited talk on "*Research Methodology*" at MES College Marampally, on 19th March **2022**.
24. Invited talk on "*Science and Society*" as part of the science day celebrations at KUCTE, Alappuzha, on 28th February, **2022**
25. Invited talk on "*Metal Mediated Organic Synthesis: Developments and Trends*" as resource person in the FDP organised by Madurai Kamaraj University, Madurai, on 19th November, **2021**.
26. Invited talk in the webinar on Research Methodology organised by S.D college, Alappuzha on 2nd October, **2021**
27. Invited Talk in the National level workshop on Research Methodology "A Prelude to Academic Excellence" organised by the Department of Fashion Technology, Yeldo Mar Baselious Collge, Kothamangalam on 2nd September, **2021**.
28. Invited talk on "*Metal Mediated Organic synthesis: Developments and Trends*" as part of the chemistry association inauguration of Department of chemistry, Carmel, college, Mala on 13th August, **2021**
29. Keynote address on "*Moon Day*" in a webinar organised by Little flower U.P. School, Cheranellore, on 21th July, **2021**.
30. Invited Talk on "*Research Methodology*" at N.S.S. Hindu College, Changanassery on 11th February, **2021**.
31. Invited Talk on "*Improving Academic & Research Performances*" in connection with the Faculty Development Programme organised by S.N.College, Nattika in collaboration with Kerala State Higher Education Council on 2nd November, **2020**
32. Inaugural lecture in the webinar on "*IGNITE 2K20*" organised by Mount Tabore Training College, Pathanapuram as part of Dr.A.P.J. Abdulkalam Memorial Lecture on 27th July, **2020**.
33. Keynote Lecture on "*Promoting Scientific Culture*" at S. D. College, Alappuzha on 11th January, **2020** in connection with the Shasthrapadham Programme (Alappuzha dist) organised by SamagraShiksha-Kerala, Govt of Kerala.

34. Invited talk on "*Exploring versatility of Transition metal catalysis in Organic Synthesis*" in the International workshop on Catalysis and Applications (IWCA-2020) organised by IIUCNN, MG university in association with Ariel University, Israel on 28-30 January, **2020**
35. Key note lecture on "*Periodic Table: History and Developments*" at St. Xavier's college, Vaikomas part of the celebrations of the International Year of Periodic Table (IYPT-2020) organised by department of chemistry on 31st December **2019**.
36. Invited talk on "*Inculcating Scientific Temper*" for high school students at Darussalam, School, Chalakkal, Aluva on 31st October, **2019**.
37. Invited talk on "*Synthetic Chemistry-Landmarks and Significance*" at K.G.College, Pampadyin as part of the lecture series organised in connection with the national science daycelebrations on 14th February **2019**.
38. Invited Talk on "*Science in new era: Challenges and Opportunities*" at S.D.College, Alappuzha on 26th January, **2019** in connection with the Shasthrapadham Programme (Alappuzhadist) organised by SamagraShiksha-Kerala, Govt of Kerala.
39. Orientation class and seminar for high school students in connection with the "Shastrarangam" programme organized by M.G.M.N.S.S. Higher Secondary School, Lakkattoor, Kottayam on 19th November, **2018**
40. Invited talk on "*Exploring versatility of the Pentafulvenes in Synthertic and Material Applications*" in the international conference on Advanced Functional Materials (ICAFM-2018) held St. Berchmans' College, Changanassery on 9th October, **2018**
41. Invited talk on "*Synthetic Chemistry-History, Significance and Prospects*" at Bishop Moore College, Mavelikkara as part of the DBT-STAR College Scheme on 13th March **2018**.
42. Invited talk on "*Metal Mediated Organic synthesis*" at S.N. College Kannur as part of the Chemistry association inaugurations on 30th January **2018**.
43. Inaugural lecture at Eveline Zoccolillo-Scholarship distribution event held at S. D. College, Alappuzha on 8th December, **2017**
44. Invited talk on "*Recent Developments in Metal Mediated Organic Synthesis*" at S.B. College Changanassery, Kerala as part of the Chemistry association inaugurations on 16st August **2017**.
45. Invited talk on "*Recent Advances in Organic synthesis*" at T. M. Jacob Memorial Government College Manimalakunnu, Koothattukulam, in a national seminar on "Advanced Concepts in chemistry" on 21st December **2016**
46. Invited talk on "*Progress and prospects of Metal Mediated Organic Synthesis*" at Govt College for Women, Thiruvananthapuram, in a national seminar on "Synthetic Organic chemistry: Fundamentals and Advances" on 24th November **2016**
47. Invited lecture on "*History and Progress of Organic Synthesis*" at St. Berchmans' school, Changanassery in connection with the world science day on 10th November **2016**
48. Invited talk on "*Historic Progression and Trends in Organic synthesis*" at Assumption college, Changanassery, Kerala in connection with the chemistry association inauguration on 4th August **2016**
49. Inaugural lecture on "*New trends in material science*" at St. Michaels College, Cherthala as part of inauguration of UGC sponsored national seminar on 4th February **2016**
50. General lecture on "*Teacher education and society*" at Sobha College of Teacher Education, Mararikulam, as part of inauguration of various subject association activities of the college on 13th January **2016**
51. Invited talk on "*Applications of Palladium catalysis in Organic synthesis*" at Devamatha College, Kuruvilangad, in a national seminar on "Recent trends in catalysis-2016" on 7th January **2016**
52. Motivation class on "*Emerging Youth*" for National Service Scheme (NSS) Volunteers of Govt. Devi Vilasom H. S. S, Kudavechoor, in connection with the training camp held at Gov. H.S.S, T.V. Puram, Vaikom on 22nd December **2015**
53. Invited talk on "*Metals in Organic synthesis*" at Govt. Brennen College, Thalassery, Kerala in a National Seminar on Recent Advances in Chemistry (RAC-2015) on 15th December **2015**.
54. Invited talk on "*Exploring the versatility of pentafulvenes*, at the national conference on recent advances in spectroscopy: chemical and biological perspective-II organized by Newman College, Thodupuzha, in September, **2015**
55. Invited talk on "*Developments in Organic synthesis*" at Alphonsa College, Pala, Kerala in connection with the college chemistry association inauguration on 11th August **2015**
56. Invited talk on "*Organic synthesis: History and developments*" at K.E. College, Mannanam, Kerala in connection with the college chemistry association inauguration on 28th July **2015**
57. Invited talk on "*Developments in Organo-Transition metal chemistry*" at SN College, Nattika, Kerala as part of the C.V. Sudhi memorial lecture series on 28th March **2015**
58. Invited talk on "*Transition metal mediated organic synthesis*" at Govt. College Kasaragod, Kerala in a National Seminar on Recent Challenges and Progresses in Chemistry (RCPC-2014) on 20th October **2014**.
59. Motivation class on "*Time management*" for NCC cadets in connection with the 3 Kerala Air sqn NCC training camp held at V.J.H.S.S., Naduvath nagar, Cherthala, on 12th September **2014**.
60. Invited talk on "*Scientific Research: Methodology/Trends/Gaps*" at St. Joseph's Training College, Mannanam, Kottayam on 28th February **2014** in connection with the National Science Day celebrations.
61. Public lecture on "*Value based education*" in the education seminar organized at Govt. Higher Secondary School, T. V. Puram, Vaikom, Kottayam on 28th February **2014** in connection with the School annual day celebrations.
62. Invited talk on "*Emerging Trends in Organic Chemistry*" at T.K.M.M. College, Nangiarkulangara, Harippad, as part of the College seminar series *Darsanon* 18th February **2014**.
63. Invited talk on "*Scientific Research: Trends/Gaps*" at Kerala University College of Teacher Education, Kayamkulam, Kerala in the National Seminar on "Acculturation of Scientific and Social Self": Nurturing Scientific Temper as a Way of Life" on 6th February **2014**.
64. Invited talk on "*Fundamentals and Applications of Pericyclic Reactions*" at M.E.S College, Nedumkandam, Kerala in a National Seminar held on 19th December **2013**.
65. Orientation class for high school students on "*Science and Society*" in connection with the inauguration of the school science club of Govt. Higher Secondary School, T. V. Puram, Vaikom, on 21st August **2013**.

CHAIRING SESSIONS IN CONFERENCES AND SEMINARS:

1. Chaired a session in the national Conference on recent advances in chemical sciences (RACS-2025) organised by the school of Chemical sciences, MG university, Kottayam, during , 21-23, August, **2025**
2. Chaired a session in the National conference On Advances in Organic and Material Chemsitry (AOMC) organized by NIIST (CSIR), Thiruvananthapuram during 26-27 June, **2025**
3. Chaired a session in the 23rd Prof. K. V. Thomas Endowment National Seminar on Frontiers In Materials Science organised by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam on November, 18, **2024**
4. Chaired a session in the international e-Conference on New Trends in Applied Chemistry (NTAC-2023) during February, 7-8, **2023** organised by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam.
5. Chaired a session in the national Conference on recent advances in chemical sciences (RACS-2022) during December, 13-15, **2023** organised by the school of Chemical sciences, MG university, Kottayam.
6. Chaired a session in the national seminar on “*Emerging Trends in Energy Harvesting and Storage (ETEHS-2022)*” on November, 10, **2022** organised by Department of Physics, St. Michaels College, Cherthala
7. Chaired a session in the international e-Conference on New Trends in Applied Chemistry (NTAC-2020) during December, 17-20, **2020** organised by Department of Chemistry, Sacred Heart College, Thevara, Ernakulam.
8. Chaired a session in the International Webinar on *Recent Advances in Chemical Science* jointly organized by Postgraduate & Research Department of Chemistry & Internal Quality and Assurance Cell, Sree Narayana College, Kollam from 28th-31st May **2020**.
9. Chaired a session in the international symposium on “*Supramolecular and Photochemistry (SPC-2020)*” organised by Department of Chemistry, S. D. College, Alappuzha on 17th January, **2020**.

PARTICIPATION IN ORIENTATION/WORKSHOPS/TRAININGS:

1. Two days curriculum frame work workshop organized by Kerala State Higher Education council (KSHEC) at Thiruvananthapuram in February, **2023**
2. Five days’ workshop on Outcome Based Education organised by IQAC, Mahatma Gandhi University in association with IIT, Chennai during 3-7, February **2020**.
3. One week workshop on Research Methodology for College/University Teachers conducted by the College Development Council, Mahatma Gandhi University, Kottayam during 20-24, January, **2020**
4. One day orientation Programme on “*Digital Learning through SWAYAM*” for faculty members Organised by Mahatma Gandhi University, Kottayam on 15th November, **2019**
5. Three-day Orientation Programme organized by UGC on ‘*Training of Trainers (ToT)*’ in connection with the student induction programme at Indian Institute of Science, Bangalore during **2019** May 30th, 31st and June 1st
6. One week Faculty Development Programme on MOOCs and E-content Development Organised by Mahatma Gandhi University, Kottayam during 4-8, February, **2019** and developed an e-content on ,*Glass Transition Temperature (5 Min)*.
7. One day training cum production workshop on Objective Evaluation in Higher Education for the faculty Organised by the Internal Quality Assurance Cell, Mahatma Gandhi University, Kottayam on 1st February, **2019**
8. Two weeks workshop on Research Methodology for College/University Teachers conducted by the College Development Council, Mahatma Gandhi University, Kottayam during 3-17, December, **2018**
9. Hands on MOOC workshop under research project “Innovative Research in Pedagogy for Mini-MOOCs blended with Instruction strategies to enhance Quality of Higher Education” sponsored by Royal Academy of Engineering (UK) and Thapar University, Patiala at Amritha University, Amrithapuri Campus held on 16th and 17th September **2017**.
10. One day workshop on NAAC accreditation process held at School of Pure and Applied Physics, M. G. University, conducted by IQAC of Mahatma Gandhi University on 12th April **2016**.
11. One day outreach program hosted by International and Interuniversity centre for Nano science and Nanotechnology, Kottayam on *Facilitating innovation and Patent filing* organized by Inter university centre for Intellectual property right studies(IUCIPRS) and MHRD Chair on IPR, CUSAT on February 29, **2016**.
12. UGC-sponsored short term programme on soft skill development conducted by UGC-Academic Staff College, University of Kerala, Kariavattom from 24-2-2015 to 28-2-**2015**.
13. UGC-sponsored special summer school conducted by Academic Staff College, University of Kerala, from 30-7-2014 to 19-8-**2014**.
14. UGC-sponsored Orientation Programme (134th) conducted by Academic Staff College, University of Kerala, from 3-10-13 to 30-10-**2013**.

RESEARC H SUPERVISION:

■ Ph.D Supervision			
1	Jomon Joy (UGC-JRF)	<i>Thermoplastic Toughened Thermosetting Polymer Nanocomposites</i>	2014-2020
2	Sruthi P.R. (CSIR-JRF)	<i>Synthetic Explorations of Acrylic Compounds and Acrylonitrile Derived Polymers Towards the Synthesis of Carbo/Heterocycles and Its Applications</i>	2014-2020
3	Saranya T.V. (CSIR-JRF)	<i>Explorations of Copper and Palladium Catalyzed Carbon-Carbon and Carbon-Heteroatom Bond Forming Reactions of Anilides</i>	2014-2021
4	Elssa George (CSIR-JRF)	Studies on carbon nitride and boron nitride reinforced ABS nanocomposites	2017-2022
5	Arya Suku	Development of Novel and Efficient Polymer Supported Catalysts for Carbon-Carbon and Carbon-Heteroatom Bond Forming Reactions	2021-ongoing

6	Rubina Shajahan	Developing novel polymer supported Iron catalysts for Synthetic and Photocatalytic applications	2022-ongoing
7	Malini S	Development of Novel Heterogeneous Catalyst for C-H bond activation related applications	2022-ongoing
8	Riya Raj	Exploring Chemically Modified Polymers Towards Catalytic and Metal Binding Applications	2024-ongoing
9	Feby A. Kareem	Designing efficient heterogeneous catalysts towards sustainable chemical transformations	2025-ongoing
▪ M.Phil. Supervision			
1	Ramyasree R.	A Study on the effect of chemical modification of nitrile group in ABS	2015-16
2	Reshma Joy	Preparation and studies of ABS based Cloisite 15A nanocomposites	2016-17
3	Haritha P.	Mechanical, Morphological & Thermal Studies of SAN/Boron Nitride Nanocomposites	2017-18
4	Arya Suku	Studies towards the Development of Novel Polymer Supported Metal Catalysts and Its Application in Synthetic Reactions	2018-19
5	Ayisha Fathima	Modified PAN Supported Palladium and Copper Complexes: Novel and Reusable Catalysts for Coupling Reactions	2019-20
6	Rubina Shajahan	Synthesis, characterization and applications of hydrazine modified PAN-Iron Complex	2020-21
Post-Doctoral Supervision			
1	Dr.P.K.Vineetha (CM-NKPDF)	Design, Development and applications of BDT based perovskite solar cells	2022-24

• Student Project Supervision				
80	Aliya Shibily	St. Mary's College, Manarcaud	<i>On going</i>	2025 Apr-June & 2026 Apr-June
79	Anaswara M	Manarcaud	<i>On going</i>	
78	Aflah P	St. Josephs' College, Moolamattom	<i>On going</i>	2025 Apr-Jun & 2026 Apr-June
77	Vandana	IIRBS, MGU	<i>Novel heterogenous metal catalyst for Benzoxazole synthesis</i>	2025 Apr-June
76	Fathima Nasrin	SN College, Kollam	<i>Development of novel reusable polymer supported nickel catalyst for click reaction</i>	2025 Apr-June
75	Abhijith Udayappan	KE College, Mannanam	<i>Developing copper free click reactions. $FECl_3$ as a sustainable catalyst for Azide-alkyne cyclo addition</i>	2025 Apr-May
74	Sona T Suguthan	SN College, Nattika	<i>Synthesis and characterization of Cardanol based epoxy resin and its application</i>	2025 Mar-May
73	Aiswarya K.K.	MES Keveeyam College, Valanchery	<i>Ullman-Goldberg C-O bond formation reaction using heterogeneous polymer supported copper catalyst</i>	2025 Feb-May
72	Lakshmi Prasad	IIRBS, MGU	Heterogeneous Polymer Supported Palladium Catalyst for C-H Activation	2024-Mar-Apr
71	Anagha Mahesh	St. Mary's College, Manarcaud	<i>Development of reusable heterogenous polymer supported Pd catalyst for sp^2 and sp^3 CH activation reactions</i>	2025 Apr-May & 2024 Apr-May
70	Nedha A.	Manarcaud	<i>On going</i>	
69	Aman Shiji	UMPSA, Malaysia	<i>Synthesis of Thiadiazolo Quinoxaline-Based Donor-Acceptor Systems</i>	2024 Apr-Sep
68	Nighitha P. P	MES Keveeyam College, Valanchery	Synthesis and Characterization of Thiadiazoloquinoxaline Donor-Acceptor Systems	2024 Apr-May
67	Jyolsana Raju	S. H. College, Thevara	Synthesis and Characterization of Polymer Supported Copper Catalyst for Ullman-Goldberg C-O Bond Formation Reaction	2024 Apr-June
66	Vishnu V. S		Synthesis, Characterization and Photophysical Studies of Bis(octylamino) benzothiadiazole- dibenzaldehyde Based System for Hydrazine Sensing	
65	Ganga S.uresh V	Markaz Arts and Science College, Valanchery	A Recyclable and Reusable Polymer Supported Copper Catalyst for Chan-Lam Coupling Reaction	2024 Mar-May
64	Vinay M		A Novel Reusable Heterogeneous Palladium Catalyst for C-H activation Reaction.	
63	Abhirami	C.M.S college, Kottayam	Egg Shell Membrane Supported Palladium Nanoparticle as Catalyst for Organic Reactions	2023 May-June
62	Praveena mol		<i>Synthesis, characterization and Photophysical studies of benzothiadiazol based donor acceptor systems</i>	
61	Sruthy S	S.N. College, Chengannur	<i>Synthesis and photophysical studies of low band gap conjugated polymer</i>	2023 Mar-May
60	Anugraha A.S.		<i>Synthesis and study of Dithiobenzothiadiazole based Donor-II-acceptor system for heavy metal Detection</i>	

59	Safa K.A.	S. N. College, Nattika	Development of Heterogeneous Polyacrylonitrile Supported Copper Catalyst for Click Reaction	2023 Mar-May
58	Adithya Rajagopal	Bishop Moor college, Mavelikkara	<i>Novel and Reusable Polymer supported Heterogeneous Iron Catalyst for Suzuki-Miyaura Reaction</i>	2023 Feb- April
57	Asiya A.S.		<i>Synthesis and characterization of Novel and reusable Heterogeneous copper Catalyst for Click Reaction</i>	
56	Akhila Sajeev	CMS College, Kottayam	<i>Preparation and characterization of ABS/BN nanocomposites</i>	2022 Apr- May
55	Ann Maria Benny		<i>Catalytic activity of polyacrylonitrile palladium complex in Suzuki-Miyaura-Cross Coupling Reaction</i>	2022 Apr- May
54	Fathimathul Rinsana O.P.	MES College Mampad	<i>Synthesis and characterization of Novel Polymer supported Copper Catalyst for Chan-Lam Coupling Reaction</i>	2022 Apr- May
53	Aslimath K		<i>Synthesis and characterization of Novel Polymer supported Iron Catalyst for Suzuki-Miyaura Coupling Reaction</i>	2022 Apr- May
52	Anagha	SCS, M.G. University, Kottayam	<i>An overview of polymer supported Photo-Fenton's catalysts used for degradation of organic dyes</i>	2021 April-July
51	Nijila		<i>Recent developments in polymer supported metal catalysed Sonogashira coupling reaction</i>	
50	Anjitha Krishnan		<i>Recent advances in polymer supported palladium catalysed Suzuki-Miyaura coupling reaction</i>	
49	Abijith		<i>Polymer supported Palladium catalyzed Stille coupling and Hiyama coupling reactions : An overview</i>	
48	Feby A Kareem	Al-Azhar College, Thodupuzha	<i>Synthesis and application of modified PAN supported Catalyst for Suzuki-Miyaura Coupling Reaction</i>	2021 April-May
47	Ansamol C.U.		<i>Synthesis and characterisation of Polymer Supported Copper Catalyst for Heck Reaction</i>	
46	Nathanial C. Roy	SCS, M.G. University, Kottayam	<i>Novel and Efficient Polymer Supported Palladium Catalyst for Synthetic Transformation of Baylis-Hillman Adduct</i>	2020 June-July
45	Anandhu S.		<i>Synthesis, Characterization and Applications of Modified Polyacrylonitrile Supported Iron Complexes in Coupling Reactions</i>	
44	Gouri Hari	Amritha Viswa vidhyapeetham, Kollam	<i>Synthesis, Characterization and Applications of Modified Polyacrylonitrile (PAN) Supported Iron Complexes</i>	2020 Jan-June
43	Suhail Saeed	S. D. College, Alappuzha	<i>Preparation, Characterisation and Studies of h-Boron Nitride/ABS nanocomposites</i>	2020 Jan-Feb
42	M. Abisha	S. N. College, Kannur	<i>Preparation, Characterisation and Mechanical Study of Modified Graphitic Carbon Nitride/ABS Composite</i>	2019 Dec-Jan
41	Veena Raj		<i>Facile Synthesis of Benzoxazoles from 2-Haloanilides Using Novel Reusable Polymer Supported Copper Catalysts</i>	
40	Renya K.R.	St. Mary's College Thrissur	<i>Novel Polymer Supported Palladium Catalyst for Oxidative Coupling of Anilides with Olefins via C-H Bond Activation</i>	2019 Apr-May
39	Jeen Mary C.J.		<i>Preparation, characterization and studies of poly allylamine supported Pd catalyst for Suzuki-Miyaura coupling reaction</i>	
38	Nicy Varghese	SCS, M.G. University, Kottayam	<i>Preparation and Application of Novel reusable Polymer Supported Palladium Catalyst for coupling Reactions.</i>	2019Jan-June
37	Jilu Mary Antony	BAM College, Thuruthikkad	<i>Preparation and characterization of Novel reusable Polymer Supported Palladium Catalyst for Sonogashira coupling Reaction</i>	2019 Mar-April
36	Ayana George	Alphonsa College, Pala	<i>Preparation and characterization of Novel reusable Polymer Supported Palladium Catalyst for Suzuki coupling Reaction</i>	2019 Mar-April
35	Jomet Annie Mathew		<i>Preparation and characterization Epoxy/ABS/h BN Hybrid composites.</i>	
34	N. Ayana	S. N. College, Kannur	<i>Facile synthesis of Phenols via Polymer supported copper catalyzed hydroxylation of Aryl halides.</i>	2018 Dec-Feb
33	P. P. Nimmi		<i>Preparation & characterization of novel reusable polymer supported Pd catalyst & its applications in sonogashira reaction</i>	
32	Vincent Joseph	SCS, M.G. University, Kottayam (M.Tech)	<i>Preparation, characterization and diverse applications of Novel reusable Polymer Supported metal complexes.</i>	2018 Aug- Jul
31	Aiswarya Raj N.R.	Sacred Heart College, Thevara	<i>Heck type coupling of 2-Iodo Benzaldehyde using Novel polymer supported Palladium catalyst and their intra molecular Baylis-Hillman reaction</i>	2018 Mar-June
30	Anjali S		<i>Novel reusable polymer supported copper catalyst for Heck coupling reactions.</i>	

29	Sarika	St. Michaels College, Cherthala	<i>Novel Reusable Modified polymer supported Pd catalyzed Heck coupling reactions</i>	2018 Feb-April
28	Anju		<i>Chemical Modification of Nitrile Group on Acrylonitrile Butadiene Styrene Terpolymer and Its Synthetic Applications</i>	
27	Krishnapriya	Markaz Arts and Science College, Valanchery	<i>Intramolecular Baylis-Hillman Reaction of 2-Vinyloxy Benzaldehyde.</i>	2018 Apr-May
26	S. Silpa		<i>Synthesis characterization and applications of Novel Polymer supported Palladium catalyst for Heck Reaction</i>	
25	P. Keerthi	Payyannur College, Kannur	<i>Preparation, characterization & Application of Novel Polymer supported Palladium catalyst for sp^2 CH activation reactions</i>	2018 Feb-Mar
24	P. P. Lijina		<i>Synthesis and characterization of Benzoxazoles from anilides via polymer supported Copper catalysis</i>	
23	P. Uma Sankar	Amritha Viswa Vidya Peetham, Kollam	<i>Synthesis of Quinoline derivatives via Pd-catalysed coupling of Baylis-Hillman adducts with Tosylamines.</i>	2018 Jan-May
22	C. P. Sruthi	Sree Kerala Varma College Thrissur	<i>Studies on acylation of Baylis-Hillman adducts and its applications in Organic synthesis.</i>	2017 April-June
21	G. Gopika		<i>Synthesis and characterisation of o-Haloanilides towards the synthesis of Benzoxazole</i>	
20	P. C. Drishya		<i>Efforts towards orthobromination of Benzaldehydes and derivatives.</i>	
19	T. P. Raihanath	PSMO College, Tirurangadi	<i>Palladium catalyzed ortho-bromination of anilides</i>	2017 April-June
18	R.V. Jaseena		<i>Synthesis of Baylis-Hillman adducts and its coupling with aniline</i>	
17	N.P. Anjali	T. M. Jacob Memorial Govt. College, Manimalakunnu	<i>Studies of intra-molecular Baylis-Hillman reactions of compounds synthesized via Heck coupling of o-Bromobenzaldehyde</i>	2017 April-July
16	Athira Gopinath		<i>Scope & limitations of Aza-Baylis Hillman reactions of Schiff bases</i>	
15	C. R. Induja	Sacred Heart College, Thevara	<i>Studies on Copper Catalyzed Hydroxylation of 2-Bromo Anilides: Scope and limitations</i>	2017 Mar-June
14	V. K. Abikrishna		<i>Scope and limitations of Baylis Hillman reactions of Knoevenagel condensation products</i>	
13	K. Anandhu +3	GISAT, Puthupally (B.Tech)	<i>Preparation of Biomethanol from rice water waste</i>	2017 Jan-Feb
12	Rini John	Amritha Viswavidya Peetham, Kollam	<i>Synthetic modification and studies of ABS</i>	2017 Jan-June
11	Leon Lawrence	Loyola College, Chennai (B.Sc.)	<i>Knoevenagel condensation towards synthesis of dicyanoalkylidenes</i>	2016 Dec - Jan
10	N. Divya	Sree Kerala Varma College, Trissur	<i>Synthesis and Morita-Baylis-Hillman reactions of dicyanoalkylidenes</i>	2016 May-Aug
9	N. K. Jishma		<i>Synthesis, characterization and vinylogous aldol reactions of Knoevenagel condensation products</i>	
8	M. Maneesh	S. N. College, Chengannur	<i>Greener approach for the synthesis and reactions of dicyanoalkylidenes</i>	2016 May-Aug
7	Ranimol Mathew	S. D. College, Kanjirapally	<i>K_2CO_3 mediated Gewald reaction of cyclohexanone with active methylene compounds</i>	2016 April-Aug
6	Tintu Johns		<i>Greener approach towards Michael reaction between aniline and acrylonitrile</i>	
5	Karthika Mohan	Newman College, Thodupuzha	<i>Optimization of Baylis-Hillman reaction between benzaldehyde and acrylonitrile</i>	2016 April-Jul
4	Arshana Rasheed		<i>Greener approach towards Knoevenagel condensation of carbonyl compounds with malononitrile</i>	
3	Rini T. Varghese	S. H. College, Thevara	<i>Synthesis and characterization of schiff bases and Its reactivity studies in Baylis-hillman reaction</i>	2016 April-June
2	V. S. Mikeson	St. Michael's College, Cherthala	<i>Synthetic modification of nitrile group on acrylonitrile-butadiene-styrene (ABS) to heterocyclic functionality</i>	2015 Mar-June
1	K. V. Nikesh		<i>Synthetic modifications and characterizations on acrylonitrile-butadiene styrene</i>	