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Education.....

- PhD in chemistry, Kannur University December 2019
- GATE-2011 February 2011
- UGC-NET December 2010
- M.Sc Chemistry (Material science) Kannur University, Payyanur Campus September 2009
- B.Sc. in Chemistry, Payyannur College, Kannur University, Kannur, Kerala March 2006

Professional Experience.....

- ❖ Nehru Arts and Science College, Kanhangad 2013-present
Assistant Professor, Department of Chemistry

Service.....

- ✓ Tourism club convener.....
- ✓ Convener of Instrument maintenance committee.....
- ✓ State Public Information Officer.....
- ✓ Member in campus beautification committee...
- ✓ Member in FIST project committee...
- ✓ Convenor of NASC Anti-Ragging Cell
- ✓ Nascian Placement cell Convenor
- ✓ Nasc's week of orientation & welcome (N-WOW) Coordinator

Extension and Community service.....

Member in KTK foundation, Payyanur

Invited Talks.....

- ❖ Sasthrajalakam 2019 2019
- ❖ Sasthrajalakam 2018 2018
- ❖ Invited lecture on the topic ESR spectroscopy at Swami Anantha Teertha Campus Kannur University, Payyanur Campus 2018
- ❖ Invited lecture on the topic 'Nanoscience' on 3rd February 2020 at SES College, Sreekandapuram. Kannur
- ❖ Invited lecture on the topic 'Dye Sensitized Solar cell' on 4th February 2020 at Payyanur college, Payyanur, Kannur
- ❖ Invited lecture on the topic 'Polarography' on 22nd April 2022 at SES College, Sreekandapuram. Kannur

Orientation Programmes/Refresher Courses/FDP courses.....

- ❖ Orientation Programme, UGC-Academic Staff College, Kannur University, 2014.....
- ❖ Online Refresher course in Chemical science, SWAYAM, 2019
- ❖ Faculty Development Programme, FLAIR IIT Chennai January 2019.....
- ❖ Online Refresher course in Chemical science, SWAYAM, 2020.....
- ❖ Refresher course in material science, UGC-HRDC, Kerala University, 2020.....

- ❖ ERUDITION Short term FDP, Kerala state higher education council & Payyaur college on 23 to 28 May 2020
- ❖ Five-day FDP, Acentury of polymer Science: development and Challenges' department of chemistry, Vimala college Thrissur, 17 to 21 August 2020
- ❖ One Week FDP, 'Statistical thermodynamics', Department of chemistry, Payyanur college & CRSI TVM-KOC-CAL Chapter 21 -25 and 29, 30th September 2020
- ❖ Five-day FDP, 'Foundations of stereochemistry' department of chemistry, MES Keveeyam College Valanchery & CRSI TVM-KOC-CAL Chapter 16th to 20th Nov 2020
- ❖ Five-day training programme for college teachers on Recent Advances in Inorganic chemistry organized by PMMMNMTT and CUK Kerala on 05/03/2021 to 09/03/2021
- ❖ National level one-week FDP on Research methodology organized by Amar Sewa Mandal's Kamla Nehru Mahavidyalaya, Nagpur on 26th April to 1st May 2021

- ❖ Five-day FDP, 'Spectroscopy of metal complexes', Department of chemistry, MES Keveeyam College Valanchery & CRSI TVM-KOC-CAL Chapter 6th to 10th September 2021

- ❖ Two - Week Inter-disciplinary Refresher Course On "ENVIRONMENT AND HUMAN HEALTH" Teaching Learning Centre, Department of Environmental Studies, Ramanujan College, PMMMNMT "ENVIRONMENT AND HUMAN HEALTH" from 28 March - 11 April, 2022,

Online certificate Courses completed.....

- ❖ Completed '*Introduction to Molecular Spectroscopy*'. Online non-credit course authorized by **University of Manchester** and offered through Coursera, On 10-5-2020
- ❖ Completed '*Organic solar-cells- Theory and Practice*', online noncredit course authorized by **Technical University of Denmark** and offered through Coursera, On 15-05-2020
- ❖ Completed '*Quantum mechanics*', online noncredit course authorized by **University of Colorado Boulder**, offered through Coursera, On 16-05-2020
- ❖ Completed '*Introduction to Forensic Science*', Online noncredit course authorized by **Nanyang Technological University, Singapore** and offered through Coursera, On 01-09-2020

Conference /Workshop attended.....

- Participated in Nobel Lecture 'Cryo electron microscopy of Biological molecules by Prof. Joachim Frank, 2017 Nobel prize in Chemistry, organized by P.G & Research Department of chemistry, Mar Athanasius College, 11th August 2020.
- Attended online training programme "Thermal analysis -Concepts and Application" on April 30, 2020. Perkin Elmer

- National Workshop, In Silico Model chemistry Workshop 2023(IMCW23) November 2023, organized by department of chemistry Govt College Kasaragod, Kerala

Paper presented in Conferences/Seminars/Workshops/.....

- Synthesis and characterization of quinoline based electro active material, **Rajeesh P**, 21th Swadeshi Science Congress, Kollam on November 09, 2011.
- Electrochemical studies of Hole transporting materials based on phenylenediamines for optoelectronic devices, Divia N , **RajeeshP.** and Karical R Haridas, CRSI-14Th National Symposium in Chemistry 2012, NIIST, Thiruvananthapuram
- Synthesis and characterization of triazine based electro active material, **Rajeesh P**, National seminar on advanced materials, School of chemical sciences, SAT campus, Payyanur, Kannur University on 15th and 16th march 2018.

Peer-reviewed publications.....

Journal Papers

1. Design, synthesis of some new (2-aminothiazol-4-yl)methylester derivatives as possible antimicrobial and antitubercular agents. Ranjith P. Karuvalam, Karickal R. Haridas, Susanta K. Nayak , Tayur N. Guru Row, **P. Rajeesh**, R. Rishikesan, N. Suchetha Kumari. European Journal of Medicinal Chemistry 49 (2012) 172-182
2. Synthesis, characterization, and SAR studies of new (1H-indol-3-yl) alkyl-3-(1H-indol-3-yl)propanamide derivatives as possible antimicrobial and antitubercular agents. Ranjith P. Karuvalam, **Rajeesh Pakkath**, Karickal Raman. Haridas, Rathnasamy Rishikesan, Nalilu Suchetha Kumari., Med Chem. Res. (2013) 22:4437–4454
3. Design and synthesis of positional isomers of 5 and 6-bromo-1-[(phenyl)sulfonyl] 2-[(4-nitrophenoxy)methyl]-1H-benzimidazoles as possible antimicrobial and antitubercular agents. P. Karuvalam Ranjith, **P. Rajeesh**, Karickal R. Haridas, Nayak K. Susanta, Tayur N. Guru Row, R. Rishikesan, N. Suchetha Kumari, Bioorganic & Medicinal Chemistry Letters 23 (2013) 5228–5234
4. Synthesis and characterization of new N-(4-(4-chloro-1H-imidazol-1-yl)-3-methoxyphenyl) amide/sulfonamide derivatives as possible antimicrobial and antitubercular agents. Pakkath Karuvalam Ranjith, **Rajeesh Pakkath**, Karickal R. Haridas, Suchetha N. Kumari. European Journal of Medicinal Chemistry 71 (2014) 354-365
5. A Highly Efficient Catalyst for the Suzuki-Miyaura Cross-Coupling Reaction of 5-(5-chloropyridin-3-yl)-3-methyl-1,3,4-oxadiazol-2(3H)-one. Bhaskaran Savitha, Eeda Koti Reddy, Parthasarathi D, **Rajeesh Pakkath**, Ayyiliath M. Sajith, C. S. Anandakumar, Haridas K.R, M. Syed Ali Padusha. Journal of heterocyclic chemistry 28-april-2018(1-13)
6. RP-HPLC Method Development and Method Validation of Lopinavir and Ritonavir in Pharmaceutical Dosage Form. R Rathnasamy, Ranjith. P. Karuvalam, **Rajeesh Pakkath**, P Kamalakannan, A Sivasubramanian. Am J Clin Microbiol Antimicrobials. 2018; 1(1).

7. "Synthesis, Characterization and Structure Activity Relationship (SAR) studies of differently substituted Naphthalene and Triazine incorporated heterocyclic molecule as possible anti-bacterial and anti-fungal agents. **Rajeesh Pakkath**, Ranjith Pakkathkaruvalam, Koti Reddy Eeda, Ayyiliath M Sajith and Karickal Raman Haridas. American Journal of Clinical Microbiology and Antimicrobials. Accepted Sep:2018.
8. A highly efficient precatalytic system (XPhos-PdG2) for the Suzuki–Miyaura cross-coupling of 7-chloro-1H-pyrrolo[2,3-c]pyridine employing low catalyst loading. Bhaskaran Savitha · Eeda Koti Reddy · D. Parthasarathi, **Rajeesh Pakkath**, Ranjith Pakkath Karuvalam · C. S. Ananda Kumar, K. R. Haridas · M. Syed Ali Padusha · Ayyiliath M. Sajith. January 2019 Molecular Diversity 23(13)
9. Synthesis, Characterization and Determination of HOMO-LUMO of the Substituted 1, 3, 5-Triazine Molecule for the Applications of Organic Electronics. Journal of Korean Chemical Society, 2019, Vol 63, 5, 352-359. **Rajeesh Pakkath**, Eeda Koti Reddy, Sheena Kuriakose, C Saritha, Ayyiliath M Sajith, Ranjith Pakkath Karuvalam, Karickal Raman Haridas
10. Suzuki-Miyaura coupling under microwave enhanced conditions: synthesis of 2-(hetero) aryl benzimidazoles. Ranjith Pakkath Karuvalam, Karickal Raman Haridas, Ayyiliath Meleveetil Sajith, **Rajeesh Pakkath**, Savitha Bhaskaran, M Syed Ali Padusha, Vasiliy A Bakulev, Muthipeedika Nibin Joy. February 2020, Archive for organic chemistry.
11. Synthesis of some novel piperidine fused 5-thio-1H-1,2,4-triazole as potential antimicrobial and antitubercular agents. R. Rishikesan, Ranjith P Karuvalam*, Nibin Joy Muthipeedika, Ayyiliath M Sajith, Koti Reddy Eeda, **Rajeesh Pakkath**, Karical R Haridas, Vaishnav Bhasker, Kereyagalhally H Narasimhamurthi and A Muraleedharan. J. Chem. Sci. (2021), Indian Academy of Science

