

D.D.G.D. VAISHNAV COLLEGE (AUTONOMOUS)

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| 1 | Name | Dr .T Augustine Arul Prasad |
| 2 | Designation | Assistant Professor of Chemistry |
| 3 | Department | Chemistry |
| 4 | Employee Id | 752256 |
| 5 | Date of Birth | 14.08.1978 |
| 6 | Gender | Male |
| 7 | Date of Appointment in this institution | 23.03.2009 |
| 8 | Experience in this institution | 14 years |
| 9 | Official Mail Id | augustine@dgvaishnavcollege.edu.in |
| 10 | Blood Group | B+ |

| 11 | EDUCATION DETAILS (from highest qualification): | | | | |
|--------------|--|--------------------|----------------------|----------------------|--------------------|
| S.No. | Degree | Institution | University | Year of study | Grade/Class |
| 1 | PhD | Presidency College | University of Madras | 2008 | - |
| 2 | M.Sc | Loyola College | University of Madras | 2000 | I |
| 3 | B.Sc | Loyola College | University of Madras | 1998 | I |

| 12 | Details of ORIENTATION/REFRESHER COURSES attended: | | | |
|--------------|---|--|-----------------|-----------------------|
| S.No. | Orientation/Refresher | University/Institution | Duration | Date (from-to) |
| 1 | Orientation Program | HRDC -University of Madras | 28 days | 20.05.14- 16.06.14 |
| 2 | Refresher Course in Nanoscience | HRDC, University of Madras | 21 days | 17.11.15- 17.12.15 |
| 3 | ARPIT-Refresher Course in Chemistry for Higher Education Faculty (MOOC) | Sri Guru Tegh Bahadur Khalsa College, University of Delhi under SWAYAM | 16 weeks | 15.10.18-28.02.19 |
| 4 | Refresher Course in Chemistry (Physical Chemistry) | HRDC, University of Madras | 14 days | 11.10.19-24.10.19 |
| 5 | Refresher Course in Teacher Education - Learning Outcomes and Educational Reforms: Pedagogy, Assessment and Quality Assurance | HRDC, Bharathidasan University, Tiruchirappalli | 14 days | 24.02.21- 09.03.21 |

| 13 Details of SEMINARS, CONFERENCES, WORKSHOPS, FDPs etc. attended: | | | | | |
|---|---|--|---|----------|--------------------|
| S.No | Type (Regional/ National/ International) | Theme (Workshop/Conference/Seminar/ FDP) | Organized by | Duration | Date |
| 1 | Regional | Workshop on Computing Techniques for Sciences | Stella Maris College, Chennai | 4days | 20.01.10-23.01.10 |
| 2 | National | Workshop on “Advanced Analytical Techniques for Material Characterization” | SRM University, Chennai | 2 days | 19.07.11-20.07.11 |
| 3 | National | National Seminar on Recent Trends in Chemistry | SSN College of Engineering, Chennai | 1 day | 03.11.2012 |
| 4 | National | National seminar on “Moving beyond Barriers: Transforming education through Inclusive excellence “ | D.G. Vaishnav College, Chennai | 2 days | 30..03.15-31.03.15 |
| 5 | Regional | Workshop on “Conservation of Museum Objects “ | D.G. Vaishnav College, Chennai | 2 days | 28.09.16-29.09.16 |
| 6 | Regional | State Level Workshop on “Public Financial Management Systems (PFMS) with special reference to EAT Modules “for colleges and Universities | Madras Christian College, | 2 days | 21.01.19-22.08.19 |
| 7 | National | National Seminar on “Challenges and Changes in the Evaluation system “ | Jamal Mohamed College, Tiruchi rappalli | 1 day | 26.02.19 |
| 8 | National | Workshop on “EAT module of Public Financial Management Systems (PFMS) for HEI’s” organized by UGC - SERO, Hyderabad | Loyola College, Chennai- 34 | 1 day | 09.03.19 |
| 9 | Regional | Workshop on “NAAC accreditation and Re-Accreditation “ | University of Madras, Chennai- 5 | 1 day | 31.10.19 |
| 10 | National | National workshop on “Learning Management system and open educational Resources: A student centric approach “ | Ethiraj College for Women, Chennai -08 | 1 day | 25.01.20 |

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| 11 | International | Indo-UK Virtual Conference ‘Current Innovations and the Future of Therapeutic Developments’ CIFTD-2020, organized by Centre for Biomaterials Cellular & Molecular Theranostics (CBCMT) | Vellore Institute of Technology (VIT), Vellore | 3 days | 01.06.20-03.06.20 |
| 12 | International | Prof K V Thomas Endowment international e-conference on " New Trends In Applied Chemistry-NTAC - 2020” | Department of Chemistry, Sacred Heart College, Thevara, Kochi, Kerala , India | 4 days | 17.12.20-20.12.20 |
| 13 | National | National Workshop entitled “ICT Tools For Chemistry Teachers” | Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi | 1 day | 22.02.21 |

| 14 Details of Papers published in CONFERENCES/attended Conferences: | | | | | |
|--|---|---|---|--|-------------------|
| S.No | Type (Regional/National/International) | Name of the Conference | Name of the paper presented/Attended | Organized by | Date |
| 1 | National Conference | Recent Advances in Materials and Methods in Chemistry | Oral Presentation | SRM University, Chennai | 02.02.10 |
| 2 | International | Supramolecular Chemistry and Nanomaterials | Poster presentation | University of Mumbai | 14.02.11-16.02.11 |
| 3 | National | New renaissance in Chemical Research | Poster presentation | SRM University, Chennai | 04.03.11 |
| 4 | National | National Conference on Green Chemistry | Oral Presentation | Presidency College, Chennai | 10.02.12 |
| 5 | National | National Conference on Recent advances in | Oral Presentation | Dr.M.G.R. Educational and Research Institute | 27.12.12 |

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| | | Application-Oriented Chemistry | | University, Chennai | |
| 6 | International | International Scientific Seminar– India-UK (Royal Society (UK) – DST (India) Nanomaterials and Devices for Energy and Environment | Oral Presentation | Loyola College, Chennai | 16.12.13-18.12.13 |
| 7 | International | International conference on “Evolve as an expert in Lifestyle management “ | Oral Presentation | Auxilium College, Vellore | 20.08.14 |
| 8 | National | 2 nd National Conference on New renaissance in Chemical Research | Oral Presentation | SRM University, Chennai | 28.08.15-29.08.15 |
| 9 | National | National seminar on “Recent Trends in Chemical Sciences (RTCS-2016)” | Oral Presentation | Arignar Anna Govt. Arts College, Cheyyar | 07.10.16 |
| 10 | International | International Conference on “Sevviyal Ilakkiyangal – Panmuga paarvai “ | Paper presentation | D.G. Vaishnav College, Arumbakkam, Chennai | 01.03.17 |
| 11 | International | BRNS and CSIR sponsored International Conference on “Energy, Environment and Advanced Materials for a Sustainable Future” | Poster Presentation | Kongu Engineering College, Perundurai | 23.05.17-24.05.17 |

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| 12 | International | “Impact of Nanotechnology on health and environment ICINHE-2018 “ | Oral Presentation | Quaid-e-Milleth Government College for Women, | 26.02.18-27.02.18 |
| 13 | National | National Seminar on “Genesis of Innovative Trends in Chemistry and Environment “ | Poster Presentation- First Prize | D.G. Vaishnav College, Chennai -106 | 06.02.20 |

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| Details of visit as a RESOURCE PERSON: | | | | |
| S.No | Type (Guest Lectures, Workshops, Conferences Or Seminars/ Ph.D, Viva-voce Examination) | Title | Institution Name | Date |
| 1 | Workshop | CSIR sponsored National Workshop on “Desalination by Membrane Distillation” | St. Joseph’s College of Engineering Chennai | 25.08.12 |
| 2 | Workshop | CSIR sponsored National Workshop on “Desalination by Membrane Distillation” | St. Joseph’s College of Engineering Chennai | 23.08.13 |
| 3 | Guest Lecture | Sr. Cesira Galina Memorial lecture | Auxilium College, Vellore | 26.08.14 |
| 4 | Guest Lecture | Guest lecture on Stereochemistry for UG students | Stella Maris College, Chennai | 18.10.18 |
| 5 | Guest Lecture | Guest lecture on Stereochemistry for PG students | Stella Maris College, Chennai | 14.09.19 |

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| 6 | FDP | “Revised Accreditation Framework -NAAC (RAF) | Mahalakshmi Women’s College of Arts and Science, ParuthipattChennai | 22.11.19 |
| 7 | Workshop | “Documentation and Criteria 2 and 5 of RAF “,under PARAMARSH scheme of UGC | Don Bosco College, Dharmapuri | 07.03.20 |
| 8 | Internship program | internship program conducted for the I PG students of Department of Chemistry | Stella Maris College, Chennai | May-June 2020 |
| 9 | Workshop | ICT Competency for Higher Education Teachers” | IQAC, DG Vaishnav College, Chennai -106 | 13.07.20 – 15.07.20. |
| 10 | FDP | “RECASTING FROM ONSITE TO ONLINE PEDAGOGY” organized by the Internal Quality Assurance Cell (IQAC), | Ethiraj college, Chennai | 23.07.20 |
| 11 | FDP | International FDP series " Gateway to creative and effective online teaching-learning process " | ARIGNAR ANNA GOVERNMENT ARTS COLLEGE (Accredited by NAAC, Affiliated to Periyar University) VADACHEN NIMALAI, ATTUR, TAMILNADU , INDIA | 28.07.20-29.07.20 |

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| 12 | Workshop | <i>“Hands-on training on effective blended classroom management “</i> | IQAC, Mahalakshmi Women’s College of Arts and Science College, Avadi, Chennai -71 | 06.08.20- 08.08.20 |
| 13 | Workshop | “Effective blended classroom management “ | IQAC, Sir Thigaraya College, Chennai -2 | 07.08.20-08.08.20 |
| 14 | Workshop | “National Level hands-on training program in ICT tools for teaching and assessment “ | IQAC, G.M. Momin Women’s College , Bhiwandi, Maharashtra | 13.08.20-14.08.20 |
| 15 | Guest Lecture | “Effective blended classroom management “ | St. Joseph’s College of Arts and Science (Autonomous), Cuddalore | 26.09.2020 |
| 16 | Refresher Course | "National Level Refresher Course on Selective Topics in Organic Chemistry” | Sathyabama Institute of Science and Technology, Chennai | 09.10.20 |
| 17 | Guest Lecture | 'Excellence in Higher Education - NAAC perspective “, | St. Joseph’s College of Arts and Science (Autonomous), Cuddalore | 14.10.20 |
| 18 | Guest Lecture | 'Excellence in Higher Education - NAAC perspective’ | St. Joseph’s College of Arts and Science | 27.10.20 |

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| | | | (Autonomous), Cuddalore | |
| 19 | Guest Lecture | “Excellence in Higher Education - NAAC perspective” | Don Bosco College of ARTS and SCIENCE, Kilpauk , Chennai | 07.11.20 |
| 20 | Refresher Course | Refresher course in chemistry | UGC-HRDC – Madurai Kamaraj University | 15.12.2020 |
| 21 | Orientation Program | ICT tools for Teaching - Learning process | DG Vaishnav College | 11.02.21 |
| 22 | Guest Lecture | "Critical thinking -an emerging skill set for 21st-century learners | Stella center for effective education and development- (SCEED), Stella Maris College , Chennai | 12.07.21 |
| 23 | Student orientation program | <i>" Look to the future with hope"- Emerging skill set for 21st century online learners</i> | Auxilium College (Autonomous), Gandhi Nagar, Vellore | 19.07.21-24.07.21 |
| 24 | Summer Training Programme in Chemistry (STPIC-2021) | Summer Training Programme in Chemistry (STPIC-2021) | “The Academy of Sciences Chennai” | 02.08.2021 |
| 25 | State Level workshop | "ICT tools for pedagogical teaching-learning process" | CTTE college for women , Chennai | 24.08.21 |
| 26 | National Level Webinar | 3D Bioprinting – A Chemist’s Perspective" | Anna Adarsh College for Women , Annanagar, Chennai | 25.08.2021 |
| 27 | FDP | ICT tools for E-Content | College of management, SRMIST, Kattan | 21.09.21 & 23.09.21 |

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| | | development and teaching-learning techniques | kulathur, Chennai - 603203 | |
| 28 | FDP | <i>"Quality Enhancement in Higher Education – Demystifying Online Teaching-Learning Process"</i> | The Standard Fireworks Rajaratnam College for Women (Autonomous), Sivakasi, Tamilnadu. | 29.09.2021 |
| 29 | FIP | <i>"Vaishnav Samastha Unnayanam"</i> | DDGD Vaishnav College, Chennai | 30.09.2021 |
| 30 | FDP | <i>"Creation of E-Content for Professional Sustainability"</i> | PSG Centre for Academic Research Excellence (PSGCARE) , PSG College of Arts and Science , Coimbatore Tamilnadu | 08.10.2021 |
| 31 | FDP | "Decoding Asynchronous Teaching strategies " | Madras Christian College (Autonomous) , Chennai | 16.11.2021 |
| 32 | Guest Lecture | " Process of Innovation Development and technology readiness " | DKM College for Women College (Autonomous) ,Vellore | 01.12.2021 |
| 33 | FDP | <i>" Exploring Emerging Technologies for Life-Long Teaching Learning Process "</i> | Department of Library ,DDGD Vaishnav College, Chennai | 04.12.2021 |
| 34 | FDP | <i>"ICT Tools for Teaching Enhancemnt "</i> | IQAC ,Sankara College of Science and Commerce, Coimbatore | 27.01.2022 |

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| 35 | Guest Lecture | " 21st Century Skills - A Chemist's Perspective" | LN Government College(Autonomous) Ponneri Thiruvallur District , Tamil Nadu | 02.06.2022 |
| 36 | State level webinar | "21st century skills for researchers - Exploring OATD (open access theses and dissertations) | Department of Library , Anna Adarsh College for Women | 18.07.2022 |
| 37 | State level workshop | " ICT tools for 21st century teachers and learners " | SALIS and DG Vaishnav College, Chennai | 04.08.2022 |
| 38 | Workshop | "Question paper Vetting" | IQAC, Gurunanak College | 23.08.2022 |
| 39 | National Seminar | " The necessity of NAAC in non-accredited institutions to promote holistic development of quality education | IQAC , Muthayammal college of Arts and Science , Rasipuram, Namakkal , Tamil Nadu | 17.11.2022 |

| 16 Details of publication of Articles/ Chapters written in EDITED BOOKS: | | | | |
|---|--|--|--|--|
| S.No | Book Name | Title of Articles/Chapters | Name & Address of the Publisher | Month & Year of Publication |
| 1 | Engineering Chemistry Laboratory Manual | Engineering Chemistry Laboratory Manual | VRB Publisher, Chennai. | June 2001,2002, 2003 |
| 2 | Engineering Chemistry (for | Engineering Chemistry (for the | VRB Publisher, | June 2002 |

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| | the first year B.E/B.Tech students) | first year B.E/B.Tech students) | Chennai. | |
| 3 | “Creativity and problem solving through education” | Critical thinking and problem solving-an emerging skill set for 21st century learners | Media House , New Delhi | March -2021 |

| 17 Details of individual/collaborative MAJOR/MINOR research project undertaken: | | | | | | |
|--|--|--|----------------------------|------------------------|-----------------------------|-----------------|
| S.No | Title of the Project | Name & Address of the Collaborating Faculty | Funding Agency | Fund Sanctioned | Period | Duration |
| 1 | “Green synthesis of Dispiro heterocycles through a microwave-induced solvent Free approach and a study on its biological activity” | UGC Minor Research Project | UGC Minor Research Project | 2.05 Lakhs | January 2015 – January 2017 | 2Years |

| 18 Details on RESEARCH GUIDANCE: | | | | | |
|---|---------------------|------------------------------|---|----------------------|-----------------------|
| S.No | Type (FT/PT) | Name of the candidate | Title of the Dissertation | University | Status |
| 1 | FT | Bindu Thomas | Green Synthesis of Silver Nanoparticles Using Aqueous Leaf Extract of Passiflora Edulis f. flavicarpa and Its Study on Biological and | University of Madras | Completed PhD awarded |

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| | | | Photo Catalytic activity | | |
| 2 | FT | Jasmine Jacob | BIO-MEDIATED SYNTHESIS OF BIMETALLIC Cu-Ag NANOCOMPOSITES USING AQUEOUS PLANT EXTRACTS - CHARACTERIZATION AND STUDY ON THEIR ANTI-BACTERIAL, ANTI-DIABETIC AND ANTI-CANCEROUS EFFICACY | University of Madras | Synopsis submitted |
| 3 | Jeyamani | PT | Green Synthesis of Nanoparticles | University of Madras | Pursuing |
| 4 | Sathyasini | PT | Green Synthesis of Nanoparticles | University of Madras | Pursuing |
| 5 | Edal Queen | FT | Green Synthesis of Nanoparticles | University of Madras | Pursuing |

| 19 Details of papers published in JOURNALS: | | | | | | | |
|---|---------------------------------------|---|---|--|---|-------------------------------|-----------------------------------|
| S.No | Journal Type (National/International) | Name of the Journal | Title of the article | Name of the Co-authors | Vol No, Issue No, Page Nos, ISSN No/DOI | Month and year of Publication | Impact Factor/SCI/Scopus (if any) |
| 1 | International | <i>Acta Crystallographica Section E</i> | 6-Methoxy-1'-methyl-4'-phenylchroman-3-spiro-3'-pyrrolidine-2'-spiro-3''(2''H)-indole-2'',4-dione | Charles C. Kanakam.; R. Suresh.; Y.Christurajan and V.Ramkumar | 2007, E63, o3794. | 2007 | 0.413 |
| 2. | International | <i>Acta Crystallographica Section E</i> | 6''-Methoxy-1'-methyl-4'-phenylacene-1-spiro-2'-pyrrolidine-3'-spiro-3''-chroman-2,4''-dione | V. Ramkumar.; S. Arul Antony and Charles. C. Kanakam | 2007, E63, o4412. | 2007 | 0.413 |
| 3 | International | <i>Acta Crystallographica Section E</i> | 1'-Methyl-4'-phenylacene-1-spiro-2'-pyrrolidine- | V. Ramkumar and Charles C.Kanakam | 2007, E63, o4717. | 2007 | 0.413 |

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| | | | 3'-spiro-3''-benzo[g]chroman-2,4''-dione | | | | |
| 4. | International | <i>Acta Crystallographica Section E</i> | 3-benzylidene-6-methoxychroman-4-one | Scholastica Mary Vithiya.; V. Ramkumar and Charles C. Kanakam | 2008, E64, o2080 | 2008 | 0.413 |
| 5. | International | <i>Tetrahedron Letters</i> | A facile entry into novel class of dispiroheterocyclic framework through 1,3-dipolar cycloaddition of azomethine ylides with 3-arylidene-4-chromanones as dipolarophiles | Charles C. Kanakam.; Scholastica Mary Vithiya.; V. Ramkumar | 2009, 50, 5906-5909 | 2009 | 2.415 |
| 6. | International | <i>Acta Crystallographica Section E</i> | 3-Benzoyl-1-methyl-4-phenylspiro[acenaphthylene-1(2H),2-pyrrolidin]-2-one | Scholastica Mary Vithiya.; S. Ignacimuthu and V. Ramkumar | 2010, E66, o3022 | 2010 | 0.646 |
| 7 | International | <i>Der Pharma Chemica</i> | A facile and regioselective synthesis of Spiro pyrrolidines and pyrrolizines through 1, 3 - dipolar cycloaddition Protocol | B.Scholastica Mary Vithiya; S. Ignacimuthu | 2011, 3(3):293-299. | 2011 | 0.32 |
| 8. | International | <i>Der Pharma Chemica</i> | Synthesis, characterization and biological activity of novel Spiro Heterocycles from semicarbazones | Scholastica Mary Vithiya B.; Indumathi U | 2012, 4(5):1906-1912 | 2012 | 0.32 |
| 9. | International | <i>Der Pharma Chemica</i> | Adsorption studies of lead (II) and nickel (II) ions on chitosan-G-Polyacrylonitrile | Shanmuga priya A.; Hemalatha M.; Scholastica B | 2013, 5(3):141-155 | 2013 | 0.32 |

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| 10. | International | <i>Der Pharma Chemica</i> | A highly regioselective synthesis of spiro [oxindole-chromanone] Pyrrolidines and pyrrolizines through 1,3-dipolar cycloaddition protocol | Scholastica Mary Vithiya. B., Shanmugapriya. A. | 2013, 5(5):184-188 | 2013 | 0.32 |
| 11 | International | <i>Der Pharma Chemica</i> | Synthesis, characterization and biological activity of novel spiro heterocycles from isatin derivatives | Ramu.P Scholastica Mary Vithiya and S. Arul Antony | 2014, 6(4):30-36 | 2014 | 0.32 |
| 12. | International | <i>Der Pharma Lettre</i> | Synthesis, characterization and biological activity of novel spiro heterocycles from oxindole derivatives | Ramu.P Scholastica Mary Vithiya and S. Arul Antony | 2014, 6(5):84-88 | 2014 | 1.96 |
| 13. | International | <i>Der Pharma Lettre</i> | An efficient Synthesis of dispiro heterocycles from Claisen – Schmidt adduct through 1, 3-dipolar cycloaddition protocol and study on its Biological properties | Scholastica Mary Vithiya B. and Suganya Kumaresh K | 2015, 7(8):152-155 | 2015 | 1.96 |
| 14 | International | <i>Der Pharma Chemica</i> | Green synthesis of dispiroheterocycles through a microwave induced solvent free approach and a study on its biological activity | Varadharajan E and Scholastica Mary Vithiya B | 2016, 8(19):311-316 | 2016 | 0.32 |
| 15 | International | <i>IUCrData</i> | 3-Benzylidene-1-methyl-4-phenyldispiro[cyclopentane- | E. Varadharajan, V. Ramkumar, | (2017) 2, x170581 | 2017 | |

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| | | | 1,3-pyrrolidine-2,1-acenaphthene]-2,2-dione | M. V. B. Scholastica | | | |
| 16 | International | <i>Int J S Res Sci. Engg. Tech.</i> | Synthesis of Silver Nanoparticles Impregnated Soap and its Study on Antibacterial Activity Using Green Principles | Bindu Thomas, Jayasri K, Sruthi V.P, Kavitha R, Aparna M, Scholastica Mary Vithiya B | 2018 Mar-Apr; 4(4): 271-275 | 2018 | 0.103 |
| 17. | International | <i>The Pharma Innovation Journal</i> | Antibacterial and antioxidant effect of synthesized silver nanoparticles from aqueous leaf extract of <i>Sechium edule</i> | Bindu Thomas, Scholastica Mary Vithiya B | 2018; 7(4):42-46 | 2018 | |
| 18 | International | <i>JNanostruct</i> | Evaluation of Antioxidant, Antibacterial and Photocatalytic Effect of Silver Nanoparticles from Methanolic Extract of Coleus Vettiveroids – an Endemic Species | Bindu Thomas, Scholastica Mary Vithiya B | 8(2):179-190 | 2018 | 0.22 |
| 19. | International | <i>Journal of Nanoscience and Nanotechnology</i> | Antioxidant and Photocatalytic Activity of Aqueous Leaf Extract Mediated Green Synthesis of Silver Nanoparticles Using <i>Passiflora edulis f. flavicarpa</i> | Bindu Thomas, B. Scholastica Mary Vithiya, S. B. Mohamed, C. Maria Magdalene, K. Kaviyarasu, and M. Maaza | Volume 19, Number 5, May 2019, pp. 2640-2648(9) | 2019 | 1.354 |
| 20 | International | <i>Spectrochimica Acta Part A: Molecular and</i> | Fluorescence and quantum mechanical approach on | Rajendran Kumaran, Somasundaram Gayathri | Volume 243, 15 December 2020, 118791 | 2020 | 4.098 |

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| | | <i>Biomolecular Spectroscopy</i> | the interaction of amides and their role on the stability and coexistence of the rotamer conformations of L-tryptophan in aqueous solution | | | | |
| 21 | International | Annals of R.S.C.B. ISSN:1583-6258 | Synthesis and Characterization of Palladium Nanoparticles Using Leaf Extracts | S.Vinodhini, Scholastica Mary Vithiya .B | Vol.25, Issue 5, 2021, Pages. 913-923 | 2021 | 0.9 |
| 22 | International | Annals of R.S.C.B., ISSN:1583-6258 | Green synthesis, Characterization, Antibacterial, Antidiabetic, Anticancerous Activity of Momordica Charantia leaf extract mediated CuAg Nanoalloys, | Jasmine jacob | Vol. 25, Issue 6, 2021, Pages. 17895-17907 | 2021 | 0.9 |
| 23 | International | <i>Journal of Molecular Structure</i> | Structural characterization, spectral investigation, and antimicrobial studies Of ZnWO ₄ and Zn _{0.9} Cu _{0.1} WO ₄ nanoparticles synthesized by microwave and sucrose mediated sol-gel method | Kavitha Karuppiah, Kumaran Rajendran, Balakumaran Manickam Dakshina moorthi | Volume 1253, 5 April, 2022, 0022-2860 | 2022 | 3.196 |
| 24 | International | Arabian Journal of chemistry | Biosynthesis, characterization, biological and photocatalytic investigations of Elsholtzia blanda and chitosan mediated | Athisa Roselyn Maheo, B. Scholastica Mary Vithiya | Volume 15, Issue 3, March 2022, 103661 | 2022 | 5.165 |

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| | | | copper oxide nanoparticles | | | | |
| 25 | International | Results in Surfaces and Interfaces | Biosynthesis and characterization of Eupatorium adenophorum and chitosan mediated Copper oxide nanoparticles and their antibacterial activity | Athisa Roselyn Maheo , B. Scholastica Mary Vithiya | Volume 6, 1 February 2022, 100048 | 2022 | 4.837 |
| 26 | International | Journal of King Saud University – Science | Green synthesis of silver nanoparticles by employing the Allium fistulosum, Tabernaemontana divaricate and Basella alba leaf extracts for antimicrobial applications | S. Vinodhini , B. Scholastica Mary Vithiya | Volume 34, Issue 4, June 2022, 101939 | 2022 | 4.011 |
| 27 | International | Journal of Applied Chemical Science International | GREEN SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF PALLADIUM NANOPARTICLES : A REVIEW | S. VINODHINI , B. SCHOLASTICA MARY VITHIYA | 13(3): 13-25, 2022 ,ISSN: 2395-3705 (P), ISSN: 2395-3713 (O) | 2022 | |
| 28 | International | Journal of King Saud University – Science | Green synthesis of palladium nanoparticles using aqueous plant extracts and its biomedical applications | S. Vinodhini, B. Scholastica Mary Vithiya | Volume 34, Issue 4, June 2022, 102017 | 2022 | 4.011 |
| 29 | | Asian Journal of Chemistry | Evaluation of Cu-Ag Bimetallic Nanoalloys as Antibacterial, Antidiabetic, Anticancerous Drug Biosynthesized | JASMINE JACOB | Vol. 34, No. 5 (2022), 1183-1188 | 2022 | 0.54 |

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| | | | from Curcuma aromatica | | | | |
| 30 | International | <i>J Pure Appl Microbiol</i> | Biosynthesis of Bimetallic Cu-Ag Nanocomposites and Evaluation of their Electro-catalytic, Antibacterial and Anti-Cancerous Activity | Jasmine Jacob,B. Scholastica Mary Vithiya, and M. Rosaline Athisa | Article Number: 7433 , 2022, | 2022 | 0.483 |
| 31 | International | Journal of Cleaner Production | Hydroprocessing mixed waste plastics to obtain clean transport fuel | V.L. Mangesh , P. Tamizhdurai, S. Umasankar , R. Palaniswamy, S. Narayanan | 358 (2022), 131952 | 2022 | 9.297 |
| 32 | International | International Journal of Hydrogen Energy | Influence of platinum on mordenite properties and catalytic activity towards Cyclohexene epoxidation | P. Tamizhdurai , R. Mythily , C. Kavitha, V.L. Mangesh , R. Kumaran , P. Santhana Krishnan | | 2022 | 7.139 |

| 20 | Details of AWARDS received: | | |
|------|--|---|-----------------|
| S.No | Title of the Award | Awarding Agency / University / Government | Month/Year |
| 1 | Educational Initiatives – A special recognition award | SMARTAIL (AI startup) | 06.02.21 |

| 21 Details of MEMBERSHIP IN EDITORIAL BOARD/ACADEMIC AGENCIES/BODIES: | | | | |
|--|--|------------------------------|---|-------------|
| S.No | Name of the Journal/Magazine/Agency | Position in the Board | ISBN/ISSN No.(if any) | Year |
| 1 | Indian Chemical Society | Fellow | | 2021 |
| 2 | Journal of Pure and Applied Microbiology | Reviewer | Print ISSN: 0973-7510. Online ISSN: 2581-690X. | 2022 |
| 3 | Results in Chemistry | Reviewer | ISSN 2211-7156. | 2022 |
| 4 | Springer nature- Discover Materials | Reviewer | 2730-7727 | 2022 |

| 22 POSITIONS HELD in this institution: | | | |
|---|-------------------------------------|--|-----------------|
| S.No. | Institution/Department Level | Position | Duration |
| 1. | Institution | Memer -IQAC | 2015-19 |
| 2. | Institution | Coordinator -IQAC | 2019-20 |
| 3. | Institution | Co-Coordinator - IQAC | 2020-22 |
| 4 | Institution | Co-Coodinator - NAAC | 2020-22 |
| 5 | Institution | Coodinator - Skill Development Cell | 2022-23 |
| 6 | Institution | Camp Officer | 2019 |
| 7 | Institution | Coordinator -IVMC | 2018 |
| 8 | Institution | Coordinator- Student Induction Program-SIP | 2018-2022 |
| 9 | Department Level | Coordinator -DGVC Chemical Society | 2015-18 |