

S. JULIE RANEE

Assistant Professor

Department of Chemistry

Lady Doak College

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Educational Background:

B.Sc. CHEMISTRY – Lady Doak College, Madurai.

M.Sc. CHEMISTRY – The American College, Madurai.

M. Phil CHEMISTRY – Madurai Kamaraj University

Ph.D. Chemistry – **Thesis:** Synthetic Design of Heterocyclic Compounds for Biological and Sensor Applications, Madurai Kamaraj University, Madurai

Teaching Experience: 20 yrs

Research Experience: 12 yrs

Research Interests: Organic Synthesis

Total Number of Publications: 3

List of recent publications:

- **Julie Rane Samuel**, Gandhi, Sivaraman, Pushpalatha, Asirvatham, Muthusubramanian, Shanmugam. Quinoline based sensors for bivalent copper ions in living cells. Sensors and Actuators B: Chemical. 255, 2018, 630 – 637.
- G.Sivagamisundari, A.Mercy Pushpalatha*, **S.Julie Rane** “Silica Bonded S-Sulphonic Acid as a Green Catalyst in the Synthesis of Functionalized Pyrimidine under Solvent-Free Microwave Irradiation Conditions” Int. j. sci. eng. 3, 2014, 852 – 855.

Invited Talks

- Invited Lecture delivered on “Cheminformatics – A Modern approach to Drug Discovery” on 3.8.2021 Summer Training Program in Chemistry organised by the Academy of Sciences, Chennai and Department of Analytical Chemistry University of Madras & Department of Physical Chemistry, Madurai Kamaraj University Madurai.
- Resource person for the Webinar on “Explore, Create and Analyse Chemical Data using Cheminformatics tools” (2020).
- Guest lecture delivered on “Cheminformatics and Drug Delivery” at Arul Anandar College, Karumathur (2019).
- Resource person for the one-day workshop on “Cheminformatics” for Faculty members of the Department of Chemistry, SFR College, Sivakasi (2014)
- Resource person for the two-day workshop entitled “Usage of Schrodinger software for chemistry applications” at School of Science and Humanities, Karunya University, Coimbatore on (2012).

International & National Paper Presentations:

1. **“Synthesis of novel heterocyclic compounds from 2-acetyl benzoic acid”** - Paper presented in 13th Eurasia Conference on Chemical Sciences” organised by Indian Institute of Science, Bangalore from 14th to 18th December 2014.
2. **“Synthesis and molecular docking studies of novel 1,2,3-triazoles with potential anticancer activity”** – Paper presented in the National conference “Recent Advances in bioinorganic and medicinal chemistry” organised by the Department of Chemistry, VHNSN college, Virudhunagar on 15th February 2017.
3. **“Quinoline based chemosensors for Cu²⁺ ion”** – Paper presented at the National conference organised by Gandhigram rural Institute – Deemed University, Gandhigram, from 2nd to 3rd March 2017.

Conference organized:

- Academy-Industry interaction meet 2019, Department of Chemistry, on 13th December, 2019 at Lady Doak College, Madurai

Seminars, Conferences, Workshops attended:

- International Webinar on Chemistry towards Sustainable Development in Health, Energy and Environment under Prof. Evelyn Rhine Endowment Lecture Series organized by the Department of Chemistry, Lady Doak College, Madurai, on 15th March 2022
- International Virtual Haggai Leader Experience, three months training programme from Sep 2021 to Nov 2021.
- National Seminar on Electrode-Electrolyte Interfaces, Prof. Evelyn Rhine Endowment Lecture Series organized by the Department of Chemistry, Lady Doak College, Madurai, on 26th March 2021
- Haggai Institute leadership seminar at Lady Doak College, Madurai on 18th to 20th July, 2019
- Prof. Evelyn Rhine Lecture Series “Academy Industry Interaction meet- 2019” organized by the Department of Chemistry, Lady Doak College, Madurai, on 13th December, 2019
- State Level Lecture Programme on “Emerging Novel and Functional Materials” Prof. Evelyn Rhine Endowment Lecture Series organized by the Department of Chemistry, Lady Doak College, Madurai, on 22nd February 2019
- National Level Advanced Lecture Series Programme on “Organic Spectroscopy, Stereochemistry and Reaction Mechanism”, Prof. Evelyn Rhine Endowment Lecture Series organized by the Department of Chemistry, Lady Doak College, Madurai, on 21st February 2018.
- Prof. Evelyn Rhine Lecture Series “Academy Industry Interaction meet- 2013” organized by the Department of Chemistry, Lady Doak College, Madurai, on 23rd February, 2013.
- Workshop on “Data Handling” organized by Lady Doak College, Madurai from January 16-19, 2013.
- One day workshop on “Drinking water quality assessment” organized by the Department of Chemistry, Yadava College, Madurai on 10th February, 2012
- Prof. Evelyn Rhine Endowment Lecture Series “Science Promotion and Research Kindling–SPARK 2012” organized by the Department of Chemistry, Lady Doak College, Madurai, on 1st February 2012
- Prof. Evelyn Rhine Lecture Series 2011 “Introduction to Organic Synthesis”, organized by the Department of Chemistry, Lady Doak College, Madurai, on 15th March, 2011.

- A One-day workshop on “Gaussian 03” organized by the Department of Chemistry, Lady Doak College, Madurai, on 10th February, 2011.
- One day seminar on “Drug Design and Discovery” organized by the Department of Chemistry, Lady Doak College.
- Two days seminar on “Quantum Mechanics” organized by the Department of Chemistry, Lady Doak College, Madurai
- International Conference on “Drug Design and Development” 21/01/2011 Nadar Saraswathi College of Arts and Science, Theni.
- National Conference on “Computational applications in Chemistry” on 04th and 5th February 2010 at Vinayaka Mission’s Kirupananda Variyar Engineering College, Salem
- National Conference on “Computational Applications in Chemistry” organized by the Department of Chemistry, Vinayaka Mission’s Kirupananda Variyar Engineering College, Salem on 4th and 5th February, 2010.
- Prof. Evelyn Rhine Lecture Series 2010 “Recent Advances in Spectroscopy: Theory, Instrumentation and applications”, organized by the Department of Chemistry, Lady Doak College, Madurai, sponsored by the Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, National Academy of Sciences, India, Allahabad, on 18th and 19th January, 2010.
- Prof. Evelyn Rhine Lecture Series 2009 “Current Trends in Chemistry”, organized by the Department of Chemistry, Lady Doak College, Madurai, on 25th March, 2009
- Workshop on “Cheminformatics” organized by the Department of Chemistry, Lady Doak College, Madurai, on 29th and 30th September, 2008.
- Prof. Evelyn Rhine Lecture Series on Current Trends in Chemistry organized by Department of Chemistry, Lady Doak College, Madurai on 19th February, 2008
- National conference on “Recent trends in Medicinal Chemistry” 23rd to 25th January, 2008 Stella Maris College, Chennai
- Prof. Evelyn Rhine Lecture Series 2005 “Recent Trends in Chemistry”, organized by the Department of Chemistry, Lady Doak College, Madurai, on 24th February, 2005.
- Haggai Institute leadership seminar at Lady Doak College, Madurai, on 21, 22 and 23 January 2005

- Regional level seminar on the topic “Eco-friendly Chemistry” on 7th December 2005 at Sri Meenakshi Govt. college for women
- Regional Seminar on “Computer Aided Drug Design” at Thiagarajar College, Madurai, on 10th August 2009
- Intercollegiate symposium on “Modern Trends in Chemistry MTC 5” 29th and 30th September 2004 at Vivekananda College, Tiruvudagam
- Modular course on “Cheminformatics” From 03rd to 12th August 2010 at Institute of Bioinformatics and Applied Biology, Bangalore.

OTHER RESPONSIBILITIES HELD IN THE COLLEGE:

- Joint Convenor for Centre for Human Rights Education from 2020 till date
- CHRD Joint Co-ordinator – 2017 – 2018
- Member of Admission Committee from 2012 to 2019
- Faculty Association Assistant Secretary from 2015 to 2018
- Exam Committee Member from 2005 to till date
- CPEC member from 2005 to till date
- Staff – in – charge for Boards of Studies from 2008 to till date
- Department Library in-charge from 2009 to 2012
- College Choir Convenor 2009 - 2010
- Department Secretary from 2007 to 2009
- Christian Studies Teacher from 2006 to till date
- Alumnae Association Treasurer from 2006 to 2010
- Convenor of Rangering Unit from 2004 to 2007
