

Dr. M. JEYACHANDRAN

Assistant Professor
PG & Research Dept. of Chemistry
Sri Paramakalyani College
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Education

- ❖ **Doctor of Philosophy (Natural Products Chemistry), 2005-2009**
Degree Awarded: 6th November 2009, Madurai Kamaraj University.
- ❖ **Master of Philosophy (Chemistry), 2003-2005**
Madurai Kamaraj University, Madurai.
- ❖ **Master of Science (Chemistry), 2001-2003**
Madura College, Madurai
Affiliated to Madurai Kamaraj University, Madurai.
- ❖ **Bachelor of Science (Chemistry), 1998-2001**
Arul Anandar College, Madurai
Affiliated to Madurai Kamaraj University, Madurai.

Teaching Experience

- ❖ **Assistant Professor:** Since 18. 01. 2008.
PG & Research Dept. of Chemistry, Sri Paramakalyani College, Alwarkurichi, Tirunelveli.

Honors and Awards

- ❖ University Stipendiary Research Fellow (USRF, 2005-2008), Madurai Kamaraj University, Madurai.

Reviewer:

- 1) Hort Science (An International Journal)
American Society for Horticultural Science.
- 2) Carbohydrate Research (An International Journal)
Elsevier.
- 3) Medicinal Chemistry Research (An International Journal)
Springer.

- 4) Letters in Organic Chemistry (An International Journal)
Bentham Science Publishers.
- 5) Journal of Food Science (An International Journal)
Wiley.
- 6) Preventive Nutrition and Food Science (An International Journal)
The Korean Society of Food Science and Nutrition.
- 7) Advances in Pharmacy and Pharmacology (An International Journal)
Access International Journals.

Guest Lectures Given

- ❖ Seminar on “Synthetic Strategies”.
K. M. College of Pharmacy, Uthankudi, Madurai, August 7, **2010**.
- ❖ National Seminar on “Green Chemistry: Perspectives and Challenges”.
Pope’s College, Sawyerpuram, Thoothukudi, Feb., 25, **2014**.
- ❖ Guest Lecture on “Green Organic Chemistry”.
Pope’s College, Sawyerpuram, Thoothukudi, Mar., 17, **2014**.

Publications in Refereed Journals

- 1) 3-Arylsulfonyl-2-phenyl-4*H*-chromen-4-ones: Synthesis and their antibacterial activity.
P.Ramesh, A. Nagendran, M. Shanmugapriya and **M. Jeyachandran**.
Indian J. Heterocyclic Chem., 15 (4), **2006**, 389-390.
- 2) Synthesis and antibacterial evaluation of aryloxypropanthiols.
M. Jeyachandran, P. Ramesh and R. Muralisankar.
Indian J. Heterocyclic Chem., 16 (4), **2007**, 383-386.
- 3) Synthesis and antibacterial evaluation of bis(2-aryl-4-oxo-4*H*-chromen-3-yl)- sulfones.
P. Ramesh, **M. Jeyachandran**, and R. Durgashankar.
Indian J. Heterocyclic Chem., 18 (3), **2009**, 211-214.
- 4) Synthesis and antibacterial evaluation of N-(azetidin-2-one-1-yl) / N-(thiazolidin-3-one-1-yl)-
carbamoylcoumarins.
M. Jeyachandran and P. Ramesh.
Indian J. Heterocyclic Chem., 19 (2), **2009**, 195-196.
- 5) Synthesis and antibacterial and analgesic evaluation of S-(2-oxo-2*H*-chromen-4-yl-
methyl)thiocarbamates.
M. Jeyachandran and P. Ramesh.
Indian J. Heterocyclic Chem., 19 (3), **2010**, 233-236.
- 6) Synthesis and antimicrobial evaluation of 3-Thiocyanato-7-hydroxy-2-aryl-4*H*-chromen-4-
one.
Jeyachandran M and Ramesh P.

International Journal of Applied Biology and Pharmaceutical Technology, 2 (2), **2011**, 244-248.

- 7) Synthesis of antibacterial Ethyl 3-aryl/alkyl-2-(1*H*-tetrazol-5-yl)enoates and 5,5'-(2-Aryl alkene-1,1-diyl)-bis(1*H*-tetrazoles).
Jeyachandran M and Shiram K.
International Journal of Applied Biology and Pharmaceutical Technology, 2 (2), **2011**, 349-353.
- 8) Synthesis, antimicrobial and anticoagulant activities of 2-(Arylsulfonyl)indane-1,3-diones.
Malaichamy Jeyachandran and Penugonda Ramesh.
Organic Chemistry International. Article ID 360810, **2011**, 5 pages.
- 9) Synthesis and in vitro antitubercular activity of 4-Aryl/alkylsulfonylmethylcoumarins as inhibitors of *Mycobacterium tuberculosis*.
Malaichamy Jeyachandran, Penugonda Ramesh, Dharmarajan Sriram, Palaniappan Senthilkumar and Perumal Yogeewari.
Bioorg. Med. Chem. Letters, 22, **2012**, 4807-4809.
- 10) Phytochemical investigation of ethnomedicinal *Spermacoce ocymoides* roots.
M. Jeyachandran, T. Anantha Kumar and S. Gandhimathi.
J. Pharmacogn. Phytochem., 2 (3), **2013**, 86-88.
- 11) Synthesis of S-2-Oxo-2-Phenylethyl Alkylcarbamothioates.
M. Jeyachandran, S. Gandhimathi.
Journal of Advanced Chemical Sciences, 1, **2015**, 15-16.

Presentation in Conferences

International Level:

- 1) Synthesis and pharmacological evaluation of 2-(Aryloxymethyl)thiirane and its analogs.
M. Jeyachandran, K. Rajathsing and P. Ramesh.
International Conference on Coordination & Organometallic Chemistry, Department of Chemistry, Bharathiar University, Coimbatore, March 19 - 20, **2009**.

National Level:

- 1) Synthesis and antimicrobial evaluation of 4-Aryl/alkylsulfonylmethyl coumarins.
M. Jeyachandran and P. Ramesh.
National Seminar on Current Developments in chemistry, Department of Chemistry, Bharathiar University, Coimbatore, January 18 - 19, **2007**.
- 2) Synthesis and biological evaluation of Arylpropanethiols.
M. Boominathan, **M. Jeyachandran** and P. Ramesh.
National Seminar on Current Trends in Chemistry, Department of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, August 9 - 10, **2007**.
- 3) Synthesis and biological evaluation of 2-(Arylthio)-methylchromones.
P. Mohan, **M. Jeyachandran** and P. Ramesh.
National Seminar on Current Trends in Chemistry, Department of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, August 9 - 10, **2007**.

- 4) Synthesis and biological evaluation of Arylpropanolamines.
M. Jeyachandran and P. Ramesh.
Frontiers in Natural Products Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai, March 20-21, **2008**.
- 5) Synthesis and antimicrobial evaluation of S-2-Hydroxy-3-(coumarin-7-yloxy)propyl alkenethioate.
M. Jeyachandran, S. Kanagambigai, K. Rajathsing and P. Ramesh.
National Seminar on Recent Trends in Chemistry, PG Department of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, February 26 - 27, **2009**.
- 6) Synthesis and biological evaluation of Ethyl 3-(coumarin-3-yl)-2-(1H-tetrazol-5-yl)-but-2-enoate.
M. Jeyachandran, E. Ananthalakshmi, K. Rajathsing and P. Ramesh.
National Seminar on Recent Trends in Chemistry, PG Department of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, February 26 - 27, **2009**.
- 7) Chemical investigation of *Fruticose sp.*, lichens.
S. Gandhimathi, **M. Jeyachandran** and S. Grena Pushpavathi.
National Seminar on Recent Trends in Chemistry, PG Department of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, February 18 - 19, **2010**.
- 8) Phytochemical evaluation of *Thunbergia latifolia*.
M. Jeyachandran, S. Gandhimathi and E. Yesodha.
National Seminar on Recent Trends in Chemistry, PG Department of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, February 18 - 19, **2010**.
- 9) Phytochemical studies on Cinnamon essential oil.
S. Ponnusamy, **M. Jeyachandran** and P. Annamalai.
National Seminar on Recent Trends in Chemistry, PG Department of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, February 18 - 19, **2010**.
- 10) Synthesis of Cytotoxic Oxiranes: A Green Approach.
S. Gandhimathi, **M. Jeyachandran** and K. Sabari Sobana Devi.
Emerging Concepts and Trends in Bioinorganic Chemistry, Chemistry Research Centre, National Engineering College, Kovilpatti, February 24 - 25, **2011**.
- 11) Phytochemical and Biological Evaluation of *Bauhinia variegata* flowers.
M. Jeyabharathi, **M. Jeyachandran** and S. Gandhimathi.
National Symposium on Emerging Trends in Biotechnology for the Sustainability of Human Society, Department of Biotechnology, K. S. G. College of Arts & Science, Coimbatore – September 23 – 24, **2011**.
- 12) Phytochemical and Biological Evaluation of *Thunbergia latifolia* flowers.
M. Jeyabharathi and **M. Jeyachandran**.
National Symposium on Emerging Trends in Biotechnology for the Sustainability of Human Society, Department of Biotechnology, K. S. G. College of Arts & Science, Coimbatore – September 23 – 24, **2011**.
- 13) Advanced Material: Theoretical Approach to Anticancer Effect of Thio-N-Oxide.
A. A. Jebakumar, A. N. Thangaraj, J. Jeevanandam, **M. Jeyachandran**, P. Selvarathy Grace and C. Ravi Samuel Raj.
National Conference on Advanced Functional Materials and Applications, Department of Chemistry & Centre for Nanotechnology, Kalasalingam University, Krishnankoil, December 16-17, **2011**.

- 14) Advanced Material: Molecular Modeling of Fractal Molecule.
A. N. Thangaraj, A. A. Jebakumar, J. Jeevanandam, **M. Jeyachandran**, P. Selvarathy Grace and C. Ravi Samuel Raj.
National Conference on Advanced Functional Materials and Applications, Department of Chemistry & Centre for Nanotechnology, Kalasalingam University, Krishnankoil, December 16-17, **2011**.
- 15) Synthesis of Alkyl-3-(N-arylacetamido)but-2-enoates.
S. Gandhimathi, K. S. Pushpavalli, M. Arunachalam, T. Ananthakumar and **M. Jeyachandran**.
National Level Workshop on Recent Trends in Inorganic Materials, Department of Science & Humanities, National Engineering College, Kovilpatti, March 9-10, **2012**.
- 16) Green synthesis of 1-phenylalkyl-2-enyl benzoates.
M. Jeyachandran and E. Arumugam.
National Seminar on "Green Chemistry: Perspectives and Challenges".
Pope's College, Sawyerpuram, Thoothukudi, Feb., 25-26, **2014**.
- 17) Synthesis of Alkyl-3-(N-arylacetamido)but-2-enoates: A Green Approach.
M. Jeyachandran, R. Suresh Babu and S. Gandhimathi.
National Seminar on "Green Chemistry: Perspectives and Challenges".
Pope's College, Sawyerpuram, Thoothukudi, Feb., 25-26, **2014**.
- 18) One Pot Synthesis of Azides from Alcohols through Click Chemistry Reactions.
M. Jeyachandran, V. Raja and C. Ravi Samuel Raj.
National Seminar on "Green Chemistry: Perspectives and Challenges".
Pope's College, Sawyerpuram, Thoothukudi, Feb., 25-26, **2014**.
- 19) Convergent Synthesis of Novel 1-(N-Aryl)-N-Arylamino-3-Naphthalen-6-yloxy)propan-2-ol.
M. Jeyachandran, S. Gandhimathi, B. Azhagu Parvathi, S. Kalpana and G. Krishna Priya.
National Seminar on Emerging Trends in Chemistry, Department of Chemistry, Sri Sarada College for Women, Tirunelveli, December 16, **2014**.
- 20) Synthesis of Substituted Arylethers and Thioethers Through Click Chemistry Reactions.
M. Jeyachandran, S. Gandhimathi, S. Iniyaval, T. Nanthini and L. Ramalakshmi.
National Seminar on Emerging Trends in Chemistry, Department of Chemistry, Sri Sarada College for Women, Tirunelveli, December 16, **2014**.
- 21) Phytochemical, Antimicrobial and GCMS Studies on *Ixora coccinea*, *Bauhinia purpurea* and *Citrullus colocynthis*.
M. Jeyachandran, S. Gandhimathi and E. Arumugam.
National Seminar on Recent Trends in Chemistry, PG Department of Chemistry, Jayaraj Annackiam College for Women, Periyakulam, January 11 - 12, **2015**.

Workshops / Seminars Participated

- 1) National Workshop on Green Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai, July 15 - 16, **2005**.

- 2) National Seminar on Recent Advances in Green Chemistry, PG and Research Department of Chemistry, Sri Paramakalyani College, Alwarkurichi, March 18 - 19, **2009**.
- 3) National Level Seminar on New Vistas in Material Science, PG and Research Department of Chemistry, Sri Paramakalyani College, Alwarkurichi, August 28, **2009**.
- 4) Workshop on Patent Awareness Program, School of Chemistry, Madurai Kamaraj University, Madurai, December 04, **2009**.
- 5) National Level Seminar on Emerging Trends in Nanoscience, PG and Research Department of Chemistry, Sri Paramakalyani College, Alwarkurichi, December 21-22, **2010**.
- 6) The Art of Research Grant Proposal Writing and Research Publication for Colleges and University Young Teachers, Center for Genotechnology, Manonmaniam Sundaranar University, Tirunelveli, February 24-25, **2011**.
- 7) Recent Trends in Natural Products Chemistry, Department of Pharmaceutical Chemistry, Manonmaniam Sundaranar University, Tirunelveli, March 18, **2011**.
- 8) National Seminar on Emerging Trends in Plant Medicines, Department of Botany, Sri Parasakthi College for Women, Courtallam, August 19, **2011**.

Research Guidance

- ❖ Number of Ph.D., students: Currently **Four** Scholars are doing research under my guidance.

Additional Qualifications

- ❖ Certificate in French, Madurai Kamaraj University (DDE), Madurai.

Personal Details

Age & Date of Birth : 34 & 30.05.1980
Residential address : 3/34, A- Perumal Kovil street,
Alwarkurichi -627 412,
Tirunelveli Dist.
Tamil Nadu, India.
Phone & Fax (Office): 04634- 283 226.

Declaration

I hereby declare that the details furnished above by me are true to the best of my knowledge and belief.

Place: Alwarkurichi.

Yours sincerely

Date: 26. 07. 2015.

(Dr. M. Jeyachandran)