

## CURRICULUM VITAE

### 1. Name, Designation & Address:

**M.G.Sethuraman**  
**Professor of Chemistry**



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### 2. Educational Qualifications:

Ph.D. : Bharathidasan University, Tiruchirapalli, 1990.  
M.Sc. : Madras University, Chennai, 1982.  
B.Sc. : Madras University, Chennai, 1980.

### 3. Teaching and Research Experience:

- i) Teaching Experience:           UG: 22 years           PG: 22 years
- ii) Research Experience: 26 years

### 4. New Courses / Programmes Evolved / Organized:

- i) Involved in the designing of Curriculum of B.Sc and M.Sc Programmes in Chemistry at GRI, Gandhigram.
- ii) Helped in the designing of Curriculum in Chemistry in various Universities/Colleges by being the member of the Board of Studies.
- iii) Organized UGC Refresher Course for University and College Teachers, November, 2003.
- iv) Conducted a TNSCHE Sponsored State level Workshop on Organic Spectroscopy, January, 2006.

### 5. Laboratories / Departments Established:

Involved in the establishment of renovated U.G, P.G and Research Laboratories of Chemistry Department, GRI.

### 6. Research Guidance:

**Ph.Ds Produced: NINE**

**Guiding: SIX**

## 7. Research Projects Undertaken:

- i) UGC Major Research Project on “Development of Green Inhibitors for Acid Corrosion of Mild Steel from Phytoconstituents of Apocyanaceae and Cactaceae”, 2009.
- ii) UGC Major Research Project on “Phytoconstituents of Asclepiadeceae and Solanaceae as Eco-friendly and Cost Effective Corrosion Inhibitors for Mild Steel in Acid Media”, 2003.
- iii) UGC Minor Research Project on “Analgesic Agents from Plant Sources”, 2002.
- iv) Tamil Nadu State Council for Science and Technology (TNSCST), Chennai, Sponsored Project on “Development of Wood Varnishes from Biomaterial Wastes”, (1998-2000).
- v) UGC Minor Research Project on “Development of Anti-Inflammatory Drugs from Natural Sources”, 1996.
- vi) Completed seven TNSCST, Chennai sponsored student research projects.
- vii) Completed one L-RAMP sponsored project.

## 8. List of Publications:

112. *Spirulina platensis* – A Novel Green Inhibitor for Acid Corrosion of Mild Steel, C.Kamal and **M.G. Sethuraman**, Arabian Journal of Chemistry, DOI No. 10.1016/arabjc.2010.08.006.
111. Studies on a Few Substituted Piperidin-4-one oximes as Corrosion Inhibitor for Mild Steel in HCl, A.N.Senthil Kumar and **M.G. Sethuraman**, Journal of Materials Engineering and Performance, DOI: 10.1007/s11665-010-9719-9.
110. *Spirulina platensis* – An Eco-friendly Inhibitor for Corrosion of Mild Steel in 1M H<sub>3</sub>PO<sub>4</sub> Medium, C.Kamal and **M.G. Sethuraman**, Proc. “National Conference on New Frontiers in Chemistry”, Annamalai University, Annamalainagar, 2010, p. 22 .
109. Cinnamon Bark Oil as a Green Corrosion Inhibitor for Mild Steel in Acid Media, T.Jebakumar Immanuel Edision and **M.G. Sethuraman**, Proc. Fifteenth National Convention of Electrochemists”, VIT University, Vellore, 2010, p. 63.
108. *Solanum nigrum* as natural source of corrosion inhibitor for mild steel in sulphuric acid medium P. Bothi Raja, **M.G. Sethuraman**, Corrosion Engineering, Science and Technology, DOI: 10.1179/147842208X388762.
107. Anti-inflammatory activity of roots of *Ecbolium viride* (Forsk) Merrill, K.G.Lalitha and **M.G. Sethuraman**, Journal of Ethnopharmacology, 128 (2010) 248–250.

- 106.** Studies on the Inhibition of Mild Steel Corrosion by *Rauvolfia serpentina* in Acid Media P.Bothi Raja and **M.G. Sethuraman**, Journal of Materials Engineering and Performance, 19 (2010) 761.
- 105.** Investigation of Corrosion inhibition efficiency of *Spirulina plantensis* in acid media against Mild Steel, C.Kamal and **M.G. Sethuraman**, Proc. “International Conference on Recent Advances in Industrial Electrochemical Science and Technology”, Mangalore, 2009, p. 227.
- 104.** Corrosion Inhibition of Mild Steel by *Ervatima coronaria* in Acid media, V.Aishwarya and **M.G. Sethuraman**, Proc. “National Conference on Recent Trends in Material Science”, p. 47 Annamalai University, Annamalainagar, 2009.
- 103.** *Solanum Tuberosum* as an Inhibitor of Mild Steel Corrosion in Acid Media, P.Bothi Raja and **M.G. Sethuraman**, Iranian Journal of Chemistry & Chemical Engineering., 28 (2009) 77- 84.
- 102.** Phytochemical and pharmacological evaluation of the flowers of *Sarcostemma brevistigma wight*, K.G.Lalitha and **M.G. Sethuraman**, Oriental Pharmacy and Experimental Medicine, 9 (3) (2009) 00-00.
- 101.** Inhibition of Corrosion of mild steel in Sulphuric acid medium by *Calotropis procera*, P.Bothi Raja and **M. G. Sethuraman** Pigment & Resin Technology, 38/1 (2009) 33-37.
- 100.** Corrosion inhibitory effect of few Piperidin-4-one oximes on mild steel in hydrochloric medium, A.N.Senthil Kumar, K.Tharini and **M.G. Sethuraman**. Surface Review and Letters, 16 (2009) 141-147.
- 99.** Volatile Constituents from the Rhizomes of *Curcuma haritha* Mangaly and Sabu from Southern India, Gopan Raj, B. Sabulal, Mathew Dan, **M.G. Sethuraman** and V. George. Flavour and Fragrance Journal, 23 (2008) 348.
- 98.** *Strychnos nux-vomica* an eco-friendly corrosion inhibitor for mild steel in 1M sulfuric acid medium, P.Bothi Raja and **M.G. Sethuraman**. Materials and Corrosion, 59 (2008) 1-7.
- 97.** Inhibitive effect of black pepper extract on the sulphuric acid corrosion of mild steel, P.Bothi Raja and **M.G. Sethuraman**. Materials Letters, 62 (2008) 2977.
- 96.** Chemical composition and antibacterial activity of the leaf, fruit and bark oils of *Neolitsea fischeri*, J. Anil John., **M.G. Sethuraman** and V.George, J. Essential Oil Research, 20 (2008) 279-282.

95. Chemical Investigation of *Pittosporum virudulum*, an Endemic Species, J. Anil John., Sabulal Baby, **M.G. Sethuraman** and V.George, Proc. “Asian Symposium on Medicinal Plants, Species and Other Natural Products (ASOMPS) XIII ”, Hyderabad, 2008, p.154.
94. Chemistry of Volatile and nonvolatile constituents of *Curcuma haritha*, an Endemic Species, Gopan Raj, Sabulal Baby, Mathew Dan, Mohamed Thaha, **M.G. Sethuraman** and V.George, Proc. “Asian Symposium on Medicinal Plants, Species and Other Natural Products (ASOMPS) XIII ”, Hyderabad, 2008, p.153.
93. Chemical composition and antibacterial activity of the leaf and fruit oils of *Pittosporum neelgherrense*, J. Anil John, V.George, N.S.Pradeep and **M.G. Sethuraman**, J.Essential Oil Research., 20 (2008) 380-382.
92. Volatile constituents and antibacterial activity of the leaf oil of *Thottea ponmudiana* Sivar., J. Anil John., Oswin Jose, V.George, N.S.Pradeep and **M.G. Sethuraman**. J. Essential Oil Research., 20 (2008) 460-463.
91. Composition and antibacterial activity of the leaf oils of *Thottea siliquosa* and *Thottea sivarajani*, J.Anil John, Oswin Jose, N.S.Pradeep, **M.G. Sethuraman** and V.George. J. Tropical Medicinal Plants, 9 (2008) 119-124.
90. Chemical composition and antimicrobial activity of the leaf oil from *Syzygium gardneri* Thw. Gopan Raj, V.George, N. S.Pradeep and **M.G. Sethuraman**, J. Essential Oil Research, 20 (2008) 72.
89. Corrosion inhibition potential of sulfadimidine, A. N. Senthil Kumar and **M.G. Sethuraman**, Corrosion Reviews, 26 (2008) 23.
88. Atropine sulphate as corrosion inhibitor for mild steel in sulphuric acid medium, P. Bothi Raja and **M.G. Sethuraman**. Materials Letters, 62 (2008) 1602.
87. Natural products as corrosion inhibitor for metals in corrosive media, A review, P.Bothi Raja, **M.G. Sethuraman**, Materials Letters, 62 (2008) 113.
86. Chemical composition and antibacterial activity of the fruit oil of *Neolitsea foliosa* var: caesia, J.Anil John, N.S.Pradeep, **M.G. Sethuraman** and V.George, Journal of Medicinal and Aromatic Plant Sciences, 29 (2007) 123.
85. Volatile constituents and antibacterial activity of *Eugenia rottleriana* Wight et Arn. Leaf oil, Gopan Raj, V.George, N.S.Pradeep and **M.G. Sethuraman**, J. Essential Oil Research, 19 (2007) 588.
84. Studies on the inhibitive effect of *Datura stramonium* extract on the acid corrosion of mild steel, P.Bothi Raja and **M.G. Sethuraman**, Surface Review and Letters, 14 (2007) 1457.

83. Chemical composition and antibacterial activity of fruits of *Neolitsea foliosa* var. *caesia*, J.Anil John, N.S.Pradeep, **M.G. Sethuraman** and V. George, Journal of Medicinal and Aromatic Plants, 29 (2007) 123.
82. Chemical composition and antibacterial activity of leaf oil *Neolitsea foliosa* (Nees) Gamble var *caesia* (Meisner) Gamble, Journal of Essential Oil Research, Gopan Raj, V.George, N.S.Pradeep and **M.G.Sethuraman**, 19 (2007) 498.
81. Isolation and Characterisation of Bioactive Isoflavonoids from the roots of *Dalbergia horrida*, Natural Products Research, C.N.Manoj, Priya Rao, N.S.Nagarajan, **M.G. Sethuraman** and K.Devi, 21 (2007) 93.
80. Chemical composition of leaf and fruit oils of *Heracleum candolleianum* Journal of Essential oil Research, J. Anil John, P. K. Vrujesh, **M. G. Sethuraman** and V. George, 19 (2007) 358.
79. Composition and antibacterial activity of leaf oils of four *Neolitsea* species of Kerala: A comparative study, Gopan Raj, **M.G. Sethuraman** and V. George, Symposium on “Bioresources in the Development of Medicine and 28<sup>th</sup> Annual Conference of Indian Biomedical Scientists, Tiruchirapalli”, 2007.
78. Chemical composition and antimicrobial activity of essential oils from two *Syzygium* species, J.Anil John, **M.G. Sethuraman** and V.George, Symposium on “Bioresources in the Development of Medicine and 28<sup>th</sup> Annual Conference of Indian Biomedical Scientists, Tiruchirapalli”, 2007.
77. *Ravolfia sarperina* as green inhibitor in the control of corrosion of mild steel in acid media, A.N.Anju, Sivaprakasham, P.Bothi Raja and **M.G. Sethuraman**, National Seminar on Current Developments in Chemistry, Bharathiar University, Coimbatore, 2007.
76. Antinociceptive principles from *Clerodendrum phillipenium*, K.G.Lalitha and **M.G. Sethuraman**, National Seminar on Current Developments in Chemistry, Bharathiar University, Coimbatore, 2007.
75. Phytochemical and Pharmacological studies on *Ecbolium viride*, K. G. Lalitha and **M.G. Sethuraman**, 94<sup>th</sup> Annual Science Congress, Annamalai University, Annamalai Nagar, 2007.
74. Dalsympathetin – a new isoflavone gentiobioside from *Dalbergia sympathetica* (Dennst.), N.S.Nagarajan, **M.G. Sethuraman**, C.N.Manoj and R. Priya Rao, Natural Product Research, 20 (2006) 195.

73. Two new isoflavonoids from the roots of *Dalbergia congesta*, The Journal of Asian Natural Product Research, Priya Rao, Manoj C.Narayanan, **M.G. Sethuraman** and N.S.Nagarajan, 8 (2006) 143.
72. Chemical composition and antibacterial activity of the rhizome oil of *Alpinia abundiflora*, Gopan Raj, S.Shiburaj, **M.G. Sethuraman** and V.George, J. Medicinal and Aromatic Plant Sciences 28 (2006) 45.
71. Chemical composition and antibacterial activity of leaf and bark oils of *Neolitsea scoriculata*, J.Anil John, P.K.Vrujesh, M.Dan, N.S.Pradeep, **M.G. Sethuraman** and V.George, Indian Perfumer 50 (2006) 61.
70. Chemical composition and antibacterial activity of the essential oils from the leaf, bark and fruit of *Neolitsea cassia*, J.Anil John, S.Siburaj, **M.G. Sethuraman** and V.George, J.Tropical Medicinal Plants,7 (2006) 251.
69. Effect of *Catharanthus roseus* on acid induced corrosion of mild steel, V.Krishnan, P.Bothi Raja and **M.G. Sethuraman**, National Seminar on Applications of Electron Transfer Processes, GRI, 2006.
68. Corrosion inhibition of mild steel by *Datura metel* (leaves) in acidic medium, **M.G. Sethuraman** and P.Bothi Raja, Pigment and Resin Technology, 34 (2005) 327.
67. Composition and antimicrobial activity of the essential oil from stem bark of *Pittosporum neelgherrrense*, J.Anil John, S.Shiburaj, **M.G. Sethuraman** and V.George, J. Tropical Medicinal Plants, 6 (2005) 45.
66. Chemical composition and antibacterial activity of the rhizome oil of *Hedychium larsenii*, Gopan Raj, M. Dan, S. Shiburaj, **M.G. Sethuraman** and V. George, Acta Pharmaceutica.55 (2005) 315.
65. Anti Oxidant Activity of few Rutaceae Plants, P.Bothiraja B.Ravishankar and **M.G. Sethuraman**, Transaction of the SAEST. 40 (2005) 68-71
64. Lipid peroxidation and cyclic voltammetric estimation of antioxidant capacity of few common edible greens, N.Sathiyapriya and **M.G. Sethuraman**, National symposium on scope and opportunities in Medicinal Plant Research, 2005.
63. Piperidone derivative from *Dalbergia sympathetica*, N.S.Nagarajan, R.Priya Rao, C.N.Manoj and **M.G. Sethuraman**, Magnetic Resonance in Chemistry, 43 (2005) 264.
62. Chemical composition and anti-bacterial activity of the leaf oil from *Clausena austroindica*, Gopan Raj, S.Shiburaj, **M.G.Sethuraman** and V.George. J. Tropical Medicinal Plants, 5 (2004) 233.

61. Plant extracts can improve varnishes, K.P.Vinod Kumar, **M.G.Sethuraman** and W.Mathulatha, European Coating Journal, 9 (2004) 76.
60. Effect of *Datura metel* as inhibitor of corrosion of mild steel in acid medium, **M.G. Sethuraman**, P.Bothi Raja and L.Ganapathyraj, 12<sup>th</sup> National Congress on Corrosion Control, Vishakapatnam, 2004.
59. Protection performance of 2-mercapto pyrimidine as inhibitor on the corrosion of mild steel in sulphuric acid medium, **M.G. Sethuraman** and A.N.Senthil Kumar, 12<sup>th</sup> National Congress on Corrosion Control, Vishakapatnam, 2004.
58. Effects of roots of *Ecbolium viride* on hepatotoxicity K.G. Lalitha and **M.G. Sethuraman**, National Seminar on Food, Medicine, IK and IPR, Thiruvananthapuram, 2004, p.59.
57. Anti-oxidant activity of *Aegle marmelos*, *Murrayya Koengii* and *Feronia elephantum*, P. Bothiraja, B.Ravishankar and **M.G. Sethuraman**, National Seminar on Isolation, Characterisation, Synthesis and biological studies of Organic compounds, Gandhigram, 2004, p.67.
56. Phytochemical and antihepatoprotective activity of flowers of *Sarcostemma brevistigma*, K.G. Lalitha and **M.G. Sethuraman**, National Seminar on Isolation, Characterisation, Synthesis and Biological studies of Organic compounds, Gandhigram, 2004, p.66.
55. *In-Vitro* anti inflammatory studies on *Opuntia phaeacant V.Discata Opuntia –engelmannii*, T. Masha, K.P. Vasantha Devi and **M.G. Sethuraman**. National Seminar on Isolation, Characterisation, Synthesis and Biological studies of Organic compounds, Gandhigram, 2004, p.63.
54. Chemical and antimicrobial studies on essential oils of *Pittosporum neelgherrense* White and Arn. Stern bark J.Anil John, Gopan Raj. **M.G. Sethuraman**, S.Shiburaj and V. George. National Seminar on Isolation, Characterization, Synthesis and Biological Studies of Organic Compounds, Gandhigram, 2004, p.62.
53. Phytochemical and hepatoprotective activity of *Asytasia gangetica*. **M.G.Sethuraman** and K.Vigneswari, National Seminar on Isolation, Characterisation, Synthesis and Biological Studies of Organic Compounds, Gandhigram, 2004, p.54.
52. Phytochemical Studies on *Jasminium angustifolium*, K.Vigneswari and **M.G. Sethuraman**, National Conference on the Frontiers of Research and Development in Medicinal Plants. Palayamkottai, 2004, p.22.
51. Studies on Oleoresinous varnishes and their natural precursors. K.P.Vinod Kumar and **M.G. Sethuraman**, Progress in Organic Coating, 49 (2004) 244-251.

50. Dalhorinin a new acylated Isoflavone glycoside from the roots of *Dalbergia horrida* , N.S.Nagarajan , R.Priya , C.N.Manoj and **M.G. Sethuraman**, Proceedings of 63rd International Congress of FIP , World Congress of Pharmacy and Pharm.Sciences Sydney Australia , 2003 , p.21.
49. Hepatoprotective activity of *Sarcostemma brevistigma* against carbon tetra chloride – induced hepatic damage in rats **M.G. Sethuraman**, K.G.Lalitha and B. Raj Kapoor, Current Science, 84 (2003) 1186.
48. Anti-inflammatory Activity of *Sarcostemma brevistigma* in rats, K.G. Lalitha, **M.G. Sethuraman** and B. Raj Kapoor, Indian Journal of Pharmaceutical Sciences, (2003) 210-212.
47. Complete <sup>13</sup>C and <sup>1</sup>H- NMR spectral assignments of two isoflavones from the roots of *Dalbergia horrida*, C.N. Manoj, R.Priya Rao, **M.G. Sethuraman**, N.S.Nagarajan and M.Kaliaperumal, Magnetic Resonance in Chemistry, 41 (2003) 227.
46. Hepatoprotective activity of *Rivea hypocrateriformis* in rats, **M.G. Sethuraman**, K.G.Lalitha and S.Ramaswamy, National seminar on Bioactive Polyphenols, Kovilvendi, 2003.
45. Evaluation of Anti-oxidant capacity of a few Rutaceous plants, B.Ravishankar and **M.G. Sethuraman**, National seminar on Bioactive Polyphenols, Kovilvendi, 2003.
44. Phytochemical Constituents of *Trychopus zeylanicus* ssp, *travancoricus*, Susan Chacko, **M.G. Sethuraman**, V. George and P. Pushapangadan, J. Medicinal and Aromatic Plant Sciences, 24 (2002) 703-706.
43. Analgesic Activity of *Sarcostemma brevistigma*, K.G.Lalitha, **M.G. Sethuraman** and B.Raj Kapoor, Indian Drugs, 39 (2002) 541.
42. Hepatoprotective Activity of *Sarcostigma brevistigma* against CCl<sub>4</sub> – induced Hepatic Damage in Rats, K.G.Lalitha, **M.G. Sethuraman** and B.Raj Kapoor, Proceedings of Southern Regional Conference of Indian Pharmacological Society, Mangalore, 2002, p.48.
41. A Close Look at the Standardization of a few Siddha Preparations, R.Balamurugan and **M.G. Sethuraman**, National Seminar on Siddha Medicine; R and D Institutions and Pharmaceutical Industries, Tanjore, 2002, p.90.
40. Isolation and Characterization of a Gallotannin from *Pterolobium hexapetallum* Flowers, Proc. of Intl. Sem. on Med. Plants & Spices, Patents and Exports, N.S.Nagarajan, C.N.Manoj, R.Priya Rao and **M.G. Sethuraman**, Chennai, 2002.

39. Coumarins from *Heracleum condolleianum* Susan chacko, O.V.Singh, **M.G. Sethuraman** and V.George, Indian Drugs, 38 (2001) 594.
38. Tea wastes as corrosion inhibitor for mild steel in acid medium, **M.G. Sethuraman**, P.Vadivel and K.P.Vinod Kumar, J. Electrochemical Society of India, 50 (2001) 143.
37. Extract of *Andrographis paniculata* as Corrosion Inhibitor of Mild Steel in Acid Medium, S.P.Ramesh, K.P.Vinod Kumar and **M.G. Sethuraman**, Bulletin of Electrochemistry.17 (2001) 141.
36. Chemical Composition of Essential Oil from Rhizomes of *Heracleum candoleanum*, V.George, Susan Chacko and **M.G. Sethuraman**, J.Essential Oil Research,13 (2001) 80.
35. Phytochemical Investigation of the Roots of *Janakia arayalpatra*, Susan Chacko, **M.G. Sethuraman** and V.George, Herba Polonica, (2000) 406.
34. Monoterpenoids from the Seeds of *Heracleam condolleianum*, Susan chacko, **M.G. Sethuraman** and V,George, Fitoterapia, 71 (2000) 616.
33. Polyphenolics Based Surface Coating Formulations, K.P. Vinod Kumar and **M.G. Sethuraman**, Proc. of International Conference on Polyphenols, Tiruchirapalli, 2000, p.74
32. Aricanut Fibre and Tamarind Seed Coat as Raw Materials for Varnish Preparation, K.P.Vinod Kumar and **M.G. Sethuraman**, Bulletin of Electrochemistry. 16 (2000) 264.
31. Chemical and Pharmacological Studies on *Aerva tomentosa*, **M.G. Sethuraman** and K.Vigneswari J. Chem tracks, 1 (1999) 75.
30. Studies on Physicochemical Properties of an Ayurvedic Preparation – Pinda Thaila, **M.G. Sethuraman** and R.Raja Ram Mohan, J. Extension and Research, 2 (1999) 42.
29. Studies on Flowers of *Asystasia gangetica*, **M.G. Sethuraman** and K.Vigneswari, Asian Journal of Chemistry., 10 (1998) 1029.
28. Utilisation of Biomaterial Wastes (Cashewnut Seed Coat and Coconut Fibre) in the Preparation of Varnishes, K.P. Vinod Kumar and **M.G. Sethuraman**, Transactions of the SAEST, 24 (1999) 63.
27. Utilization of Agricultural and Kitchen Wastes to Prepare Wood Varnish, K.P.Vinod Kumar and **M.G. Sethuraman**, Rural Industries in India Ed. M. Soundarpandian, Mohit Publications, New Delhi, 168, 1999.
26. Use of Agrowastes in the Preparation of Varnishes, K.P. Vinod Kumar and **M.G. Sethuraman**, Proc. of Eighth National Congress on Corrosion Control, Kochi, 1998, p.211.

25. Pharmacological Studies on *Hugonia mystax*, J.A.Charles, R.Gandhidhasan and **M.G. Sethuraman**, Proc. of UGC-DRS National Symp. Of Newer vistas on Synthetic Protocols and Structural Elucidation in Chemistry, Madurai, 1998.
24. Isolation, Characterisation and Pharmacological Studies on the Flavonoid Constituents of *Dalbergia horrida* Roots, N.S.Nagarajan, **M.G. Sethuraman**, C.N.Manoj and R.Priya, Proc. 33<sup>rd</sup> Annual Convention of Chemists, Coimbatore, 1996.
23. Anti-inflammatory Activity of *Asystasia gangetica*, **M.G. Sethuraman**, K.Vigneswari and G.Anbumani, Proc. of National Seminar on Bio-Active Polyphenolics, Tiruchirapalli, 1977, p.25.
22. Cytotoxic Coumarins from the Seed of *Heracleum condolleianum*, Susan Chacko, Om Singh and **M.G. Sethuraman**, Proc. of National Seminar on Bio-Active Polyphenolics, Tiruchirapalli, 1997, p.18.
21. Studies on the Roots of *Commiphora caudata*, K.Vigneswari and **M.G. Sethuraman**, Proc. of 16th Annual Conference of the Indian Council of Chemists, Mangalore, 1997.
20. Utilization of Agricultural and Kitchen Wastes to Prepare Wood Varnish, K.P. Vinod Kumar and **M.G. Sethuraman**, Paper Presented at National Symposium of Fifty Years of Indian Rural Industries, Gandhigram, 1998.
19. Analgesic and Locomotor Activity of the Flavonoids of *Aerva tomentosa*, R.Rani Nair, **M.G. Sethuraman** and S.Kavimani, Regional Symposium on Current Trends in Heterocyclic Chemistry, Gandhigram, 1996.
18. Studies on Myricetin 3-0-glucoside, **M.G. Sethuraman** and N.Sulochana, Regional Symposium on Current Trends in Heterocyclic Chemistry, Gandhigram, 1996.
17. Larvicidal Activity of Biochanin – A on the ancroftian Vector Mosquito, **M.G. Sethuraman** et al , Regional Symposium on Current Trends in Heterocyclic Chemistry, Gandhigram, 1996.
16. Studies on the Constituents of *Acacia nilotica*, **M.G. Sethuraman** and N.Mohana Sundaram, Paper Presented at 14<sup>th</sup> Annual Conference of Indian Council of Chemists, Bombay, 1995.
15. Constituents of *Delonix elata* roots, **M.G. Sethuraman** and G.Sasikumar, *Fitoterapia*, 66 (1995) 89.
14. Flavonoids of *Chloroxylon sweitenia*, **M.G. Sethuraman** and N.Sulochana Prof. of III TN Science Congress, Pondicherry, 1994, p.44.

13. Studies on Flavonoids of *Coccinia indica*, **M.G. Sethuraman** and Vinod Panikar, Proc. Of I TN Science Congress, Tiruchirapalli, 1992, p.48.
  12. Analgesic Activity of Vitexin – **M.G.Sethuraman**, N.Sulochana and S.Ramaswamy, *J. Res. Edu. Ind. Med.*, 1 (1990) 62.
  11. Studies on *Craetva religiosa*, **M.G. Sethuraman** and N.Sulochana, Eighth Annual Conference of Indian Council of Chemists, Tirupati, 1988.
  10. Phytochemical Studies on *Dyschoriste littoralis* **M.G. Sethuraman** and N.Sulochana, Paper Presented at Eighth Annual Conference of Indian Council of Chemists, Tirupati, 1988.
  9. Chemical and Pharmacological Studies on *Commiphora caudata*, **M.G. Sethuraman**, N.Sulochana and P.Somasundaram, National Symposium on Phytochemistry, Tiruchirapalli, 1987.
  8. Anti-inflammatory Activity of *D.elata* Leaves, **M.G. Sethuraman** and N.Sulochana, *Current Science.*, 55 (1986) 343.
  7. *In-vitro* Anti-inflammatory Activity of *Pleiospermium alatum*, **M.G. Sethuraman** and N.Sulochana, Proc. of Annual Conference of Indian Pharamacological Society, 1985, p.28.
  6. Studies on *Pleiospermium alatum*, **M.G. Sethuraman**, N.Sulochana and T.Chandra, Proc. of Satellite Symposium on Traditional Medicine as Adjunct to Asian Congress of Pharmacology, Tanjore, 1985, p.35.
  5. Chemical Investigation of *Sesbania grandiflora*, **M.G. Sethuraman**, A.Andal and N.Sulochana, Paper Presented at 21<sup>st</sup> Convention of Chemists, Calcutta, 1984.
  4. Studies on the Flowers of *Delonix elata* Gamble **M.G. Sethuraman**, N.Sulochana and R.A.Nambi, *Indian Drugs*, 22 (1984) 82.
  3. Anti-inflammatory Activity of *Wrightia tinctoria* V.Sethuraman, **M.G. Sethuraman**, N.Sulochana and R.A.Nambi, *Indian Drugs*, 22 (1984) 158.
  2. Anti-inflammatroy Activity of Bergenin, T.Swarnalakshmi, **M.G. Sethuraman**, N.Sulochana and R.A.Nambi, *Current Science*, 5 (1984) 917.
  1. Chemical and Pharmacological studies on *Peltophorum pterocarpum*, **M.G. Sethuraman**, N.Sulochana and L.Kameswaran, *Fitoterapia*, 58 (1984) 177.
- 9. Short Term Courses / Symposium / Conferences Attended:**
- i) Attended and gave plenary lectures / Invited lectures / Presented Papers in a number of National and International Conferences / Symposia / Seminars.
  - ii) Attended a refresher course in chemistry at GRI, June 2002.

- iii) Attended a Workshop on ISO 9000 Organized by Quality Council of India, November, 2002.
- iv) Attended a UGC refresher course in Chemistry at M.K. University, Madurai, November, 1996.
- v) Attended a workshop on Low Cost Teaching Aids for College Teachers, GRI, 1993.
- vi) Attended a Regional Workshop on Evolving Replicable Models of Science Extension in University Curriculum for Rural Applications, GRI, 1990.
- vii) Attended a UGC Sponsored short term course on Chromatographic techniques conducted by Cochin University of Science and Technology, 1986.

**10. Short Term Courses / Seminar / Conferences organized:**

- i) Serving as Deputy Coordinator for Special Assistance Programme (SAP) of UGC, New Delhi, Sanctioned to Department of Chemistry, GRI.
- ii) Coordinator, TNSCHE sponsored State Level Workshop on Organic Spectroscopy, GRI, January, 2006.
- iii) Coordinator, National Seminar of Isolation, Characterisation and Synthesis of Biologically Active Organic Molecules, GRI, March, 2004.
- iv) Coordinator for ICMR sponsored Workshop on Medicinal Plants- Problems, Prospects and Challenges, GRI, December, 2003.
- v) Coordinator for UGC sponsored Refresher Course in Chemistry for University and College Teachers, November, 2003.
- vi) Member; Organizing Committee on International Symposium on Polyphenolics, Tiruchirappali, 2000.
- vii) Coordinator, Regional Symposium on Recent Trends in Heterocyclic Chemistry, GRI, 1994.
- viii) Coordinator, National Symposium on Bio-Active Agents, GRI, 1998.

**11. Membership in Scientific Bodies / Association:**

- i) Fellow of Indian Chemical Society
- ii) Fellow of Indian Council of Chemists
- iii) Life Active Fellow of Society for Advancement of Electrochemical Science and Technology, India.

**12. Resource Person in Refresher Courses:**

Served as Resource person in Refresher Courses organized at

- i) Bharatidasan University, Trichirapalli.

- ii) Cochin University of Science and Technology, Cochin.
- iii) Manonmaniam Sundaranar University, Tirunelveli.
- iv) Bharatiyar University, Coimbatore.
- v) Annamalai University, Annamalai Nagar.
- vi) Alagappa University, Karaikudi.
- vii) University of Madras, Chennai.
- viii) Gandhigram Rural Institute, Gandhigram.

### 13. Reviewer for Journals:

Served as a peer reviewer for a number of International Journals including

- Chemical Engineering Communications
- Journal of Materials Science
- Journal of Medicinal Plants Research
- Bulletin of Material Science
- Journal of Applied Electrochemistry
- Journal of Corrosion Science and Engineering
- Portugaliae Electrochimica Acta
- Materials Chemistry and Physics
- International Journal of Electrochemistry
- Arabian Journal of Chemistry
- Desalination
- European Journal of Chemistry
- Natural Products Research

### 14. Recognition:

- i) Research article on “*Strychnos nux-vomica*” was adjudged as the most accessed article in September 2008 in **Materials and Corrosion Journal**.
- ii) Research Article on “**Natural Products as Corrosion Inhibitors**” published in Materials Letters was selected as one of the twenty five hottest articles published in **Journal of Materials Science in 2008**.
- iii) Research presentation on “**Chemical Investigation of *Pittosporum virudulum*, an Endemic Species**” has been awarded the Best Poster Award at Indian Institute of Chemical Technology, Hyderabad, presented at the Asian Symposium on Medicinal Plants, Species and Other Natural Products (ASOMPS) XIII on November, 2008.

## 15. Committee Member:

- i) Served as a Member, Syndicate, GRI, Gandhigram
- ii) Member, Academic Council, GRI, Gandhigram.
- iii) Member, Board of Studies in Chemistry, GRI, Gandhigram.
- iv) Member, Board of Studies in Rural Technology, GRI, Gandhigram.
- v) Served as a member, Board of studies in Chemistry, Bharathidasan University, Tiruchirappali.
- vi) Served as a member, Board of Studies in Chemistry, GVG Visalatchi College for Women, Udumalpet.
- vii) Served as a member, Board of Studies in Chemistry, Holy Cross College, Tiruchirappali.
- viii) Served as a member, Board of Studies in Chemistry, American College, Madurai.
- ix) Served as a member, Board of Studies in Chemistry, PSG College of Arts and Science Coimbatore.
- x) Served as a member, Board of Studies in Avinashilingam Deemed University, Coimbatore.
- xi) Served as a member, Board of Studies in Chemistry, PSGR Krishnammal College for Women, Coimbatore.
- xii) Served as a member, Board of Studies in Chemistry, Kongu College of Arts and Science, Coimbatore.
- xiii) Served as a member, Evaluation Board for UG and PG in Chemistry of many autonomous Colleges and Universities of Tamil Nadu, Kerala, Pondicherry and Karnataka.
- xiv) Presently a member of Board of Studies at Arulmigu Palani Andavar College of Arts & Science for Women, Palani.
- xv) Presently a member, Board of Studies at Kanchimamunivar Centre for PG studies (Autonomous), Puducherry.
- xvi) Presently a member, Board of Studies at Bharathidasan College for Women, Puducherry.
- xvii) Serving as a member of Board of Studies at Arulanandar College, Karumathur.
- xviii) Served in the Selection Committees of Avinashilingam Deemed University, Coimbatore and G.V.G.Visalakshi College for Women, Udumalpet.
- xix) Served in the Organizing Committee of International Seminar on Polyphenolics Organized by Regional Engineering College, Trichy.
- xx) Serving as a Member, Board of Studies in Chemistry, Madura College, Madurai.

## **16. International Assignments:**

- i) Delivered a keynote address on **Green Initiatives in ICYC - 2010** (International Conference for Young Chemists - 2010), Universiti Sains Malaysia, Penang, Malaysia, June 23-25, 2010.
- ii) Assisted the Asst. High Commission of India, Kandy, Sri Lanka in the recruitment of Teacher Technicians for the Thondaman Technical Institute, Hatton, Sri Lanka, 2009.
- iii) Served as a resource person in the in-service teachers training programme organized by Asst. High Commission of India, Kandy and the Ministry of Education Central Province, Hatton, Sri Lanka, August 22-31, 2007.

## **17. Administrative Experience and Involvement in Institute Development:**

- i) Served as a member of Interim Administrative Committee of GRI during April, 2008 to March, 2009.
- ii) Serving as Director, Internal Quality Assurance Cell (IQAC) from October, 2009.
- iii) Served as Coordinator in charge for Centre for Rural Innovation Consultancy and Action Research (CRIC&AR), GRI from August, 2006 to March, 2009.
- iv) Served as a Convener / Member of Many Committees constituted for administrative and academic purposes.
- v) Served as a Coordinator during UGC XI Plan Committee Visit, 2010.
- vi) Served as a Coordinator during NAAC Peer Team Visit, 2010.
- vii) Served as a Coordinator during UGC Deemed University Review Team Visit, 2009.
- viii) Served as a Coordinator during AICTE Team Visit, 2008.

## **18. L-RAMP Activities:**

Served as a Coordinator for Lemelson Recognition Mentoring Programme, a Project funded by Lemelson Foundation U.S.A and executed in Collaboration with IIT Madras, Chennai with a view to foster Innovations.

## **19. Student Activities:**

Organized a number of Workshops / Programmes / Youth Festivals as Coordinator, Student Activities Clubs, GRI.