



Dr. T. GEETHA

Assistant Professor

College Address

Dept. of Chemistry
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Education

Degree :
B.Sc
University:
Osmania University
Year :
1995

Degree :
M.Sc
University :
Osmania University
Year :
1997 (1st Rank)
Major Field :
Chemistry (Medicinal)

Degree :
Ph.D
University:
CUSAT, Kochi
Year :

Experience in Higher Education

2010 - : Assistant Professor, St. Mary's College, Thrissur
Present

Research grants received

Minor research project: Sponsored by UGC
Grants received: 1.60 Lakhs (Ongoing) on the topic "Endocrine disruptors in water stored in plastic container"

Experience / Skills

- Experienced in handling Flame photometer, Block digestion unit, UV-Vis Spectrometer, CHNS analyser, AAS, HPLC, GC and GC-MS.
- Expertise in carrying out qualitative identification and quantification using various HPLC, GC & GC-MS.

Selected Research Activities

- Environmental chemistry with emphasis on soil chemistry
- Water analysis with emphasis on endocrine disruptors
- Natural products chemistry

Selected Publications

A. Papers presented in symposia

1. **Geetha** and M. Balagopalan (2006) Decline in Soil Productivity Associated with Plantations Forest Ecosystems in Kerala *National Conference on Forest*

2008

Major Field :
Environmental
chemistry

Biodiversity Resource: Exploitation, Conservation and Management. 21-22 March, CBFS, Madurai Kamaraj University, Madurai 87-88.

2. **T. Geetha** and M. Balagopalan (2007) Potential Effect of Shortening Rotation Period of Teak Plantations on Soil Degradation. International Symposium – Bio Engineering for Environmental Management. 22-24 October, Sahradaya College of Engineering and Technology, Thrissur
3. **Geetha** and M. Balagopalan (2007) Carbon Storage Potential in soils of Teak and Eucalypt plantations. 17th Swadeshi Science Congress. 6-8 November. Zamorins Guruvayurappan College , Kozhikode.
4. **T. Geetha** and M. Balagopalan (2008). Effect of shorter rotation on soils in teak plantations in Kerala. 20th Kerala Science Congress. 28-31 Jan. Thiruvananthapuram
5. **T. Geetha** and M. Balagopalan (2010). A comparative evaluation of soil carbon sequestration in teak and eucalypt plantation in Kerala. 28-31 Jan. Peechi. Thrissur
6. **T. Geetha** and M. Balagopalan (2012). A comparative teak and eucalypt monoculture on soil organic fractions. 29-31 Jan. RRI, Kottayam Kerala.
7. Manju Sebastian and **T. Geetha** (2014). Chemical analysis of water and tributaries of bharatpuha. 28-31 Jan. KVASU, Pookode, Waynad.
8. M. Balagopalan, K. Sheena and T. Geetha (2014). Variations in the quantity, composition and quality of oils from Indian and African sandalwoods

B. List of Research Publications

1. *M. Balagopalan and T. Geetha (2005). Distribution of Organic Carbon and Forms of Sulphur and Their Relationships in Different Elevations in Kerala Part of Western Ghats, India. Ad. Plant Sci. 18(1) 221-228.*
2. *T. Geetha and M. Balagopalan (2005). Variation in Soil Physical Properties Associated with Different Year Teak Plantations in Kerala. J. Soils and Crops 15(2) 240-246.*
3. *T. Geetha and M. Balagopalan (2005). Soils as Influenced by Teak and Eucalypt Plantations – A Case Study in Peechi – Vazhani Wild life Sanctuary, Kerala J. Soils and Crops 15(2) 264-268.*
4. *M. B. Dhanya, M. Balagopalan, P. Rugmini, T. Geetha and N. Chandramohan kumar (2006). Variation in Soil Organic Carbon and Micronutrient Status in Teak Plantations in Different Rotation in Kerala J. Soils and Crops 16(1) 17-24.*
5. *M. Balagopalan and T. Geetha (2006). Changes in Organic matter and Sulphur Contents and their Inter-relationships in Different Vegetation Types in Kerala, India Ad. Plant Sci. 19(1) 93-98.*
6. *T. Geetha and M. Balagopalan (2008). Soil Fertility Variations over Rotations in Eucalypt Plantations in Kerala J. Soils and Crops 18(1) 7-13.*
7. *T. Geetha and M. Balagopalan (2009) Soil Fertility Variations within a Rotation Period in Teak Plantations in Kerala Ad. Plant Sci. 22(I) 317-319.*
8. *T. Geetha and M. Balagopalan (2009). Variation in Soil Micronutrient Status in Teak Plantations of Different Age Classes with in a Rotation Period in Relation to Natural Forest in Kerala Ad. Plant Sci. 22(II) 555-563.*