

## AGRETIOUS THOMAS K

Assistant Professor, Department of Botany

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**Educational Qualification** : M Sc (Botany), St. Joseph's College, Devagiri, Kozhikode

M Phil (Botany), Dept. of Botany, University of Calicut

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**Teaching experience** : 23 years; 13 years in the present position.

**Areas of Research** : Fungal floristics, Biodiversity, Tissue culture, Horticulture

**Membership in Academic bodies:** Member, Board of Studies (UG) in Botany, Kannur

University (2013-17)

**Ongoing Activities** : Co-ordinator RUSA

Co-ordinator Academic Monitoring Committee (AMC)

Co-ordinator Campus Development and Beautification Cell

Co-ordinator Biodiversity Club

### List of New Taxa published:

#### New Genus

1. *Anamika indica* K.A.Thomas, Peintner, M.M.Moser, Manim.

#### New Species

2. *Agrocybe calicutensis* K.A.Thomas & Manim.
3. *Agrocybe guruvayoorensis* K.A.Thomas & Manim.
4. *Agrocybe munnarensis* K.A.Thomas & Manim.

5. *Agrocybe wayanadensis* K.A.Thomas & Manim.
6. *Anamika indica* K.A.Thomas, Peintner, M.M.Moser, Manim.
7. *Conocybe brunneoaurantiaca* K.A.Thomas, Hausknect & Manim.
8. *Conocybe pseudopubescens* K.A.Thomas, Hausknect & Manim.
9. *Conocybe radicans*. K.A.Thomas, Hausknect & Manim.
10. *Conocybe solitaria* K.A.Thomas, Hausknect & Manim.
11. *Conocybe volvata*. K.A.Thomas, Hausknect & Manim.
12. *Cortinarius conopileus* K.A.Thomas, Peintner, M.M.Moser, Manim.
13. *Cortinarius keralensis* K.A.Thomas, Peintner, M.M.Moser, Manim.
14. *Cortinarius phlegmophorus* K.A.Thomas, *et al.*
15. *Gloiocephala resinopunctata* Manimohan & K.A.Thomas
16. *Gymnopilus terricola* K.A.Thomas, Guzm.-Dáv. & Manim.
17. *Pholiota bambusina* K.A.Thomas & Manim.
18. *Pholiotina indica* K.A.Thomas & Manim.
19. *Psilocybe keralensis* K.A.Thomas, Manim. & Guzmán
20. *Psilocybe wayanadensis* K.A.Thomas, Manim. & Guzmán

#### List of research papers published:

1. Manimohan, P. & **Thomas, K. A.** (1998). A new species of *Gloiocephala* from India. *Mycotaxon* 69: 87- 91.
2. **Thomas, K. A.** & Manimohan, P. (2001). A new species of *Pholiota* from India. *Mycotaxon* 78: 181- 184.
3. **Thomas, K. A.**, Hauknecht, A. & Manimohan, P. (2001) Bolbitiaceae of Kerala State, India: New species and new and noteworthy records. *Oster. Z. Pilzk.* 10: 87- 141.
4. **Thomas, K. A.**, Peintner, U., Moser, M. M. & Manimohan, P. (2002). *Anamika*, a new mycorrhizal genus of Cortinariaceae from India and its phylogenetic position based on ITS and LSU sequences. *Mycological Research* 106 (2): 245- 251.
5. **Thomas, K. A.** & Manimohan, P., Guzman, G., Tapia, F. & Ramirez-Guillen, F. (2002). The genus *Psilocybe* in Kerala State, India. *Mycotaxon* 83: 195- 2007.
6. **Thomas, K. A.**, Guzman-Davalos, L. & Manimohan, P. (2003). A new species and new records of *Gymnopilus* from India. *Mycotaxon* 85: 297- 305.
7. **Thomas, K. A.** & Manimohan, P. (2003). The genus *Agrocybe* in Kerala State, India. *Mycotaxon* 86: 317- 333.
8. Peintner, U., Moser, M. M., **Thomas, K. A.** & Manimohan, P. (2003). First records of ectomycorrhizal *Cortinarius* species (Agaricales, Basidiomycetes) from tropical India and their phylogenetic position based on rDNA ITS sequences. *Mycological Research* 107 (4): 485- 494.

9. Manimohan, P., **Thomas, K. A.** & Nisha, V. S. (2007). Agarics on Elephant dung in Kerala State, India. *Mycotaxon* 99: 147- 157.
10. **Thomas, K. A.** & Prasanth, K. P. (2017). A new record of the genus *Crepidotus* (*Crepidotaceae*, fungi) from India. *Kong. Res. J.* 4(1): 73-74.
11. **Thomas, K.A.**, Martin, K. P. & Hariharan, M. (1996). In vitro clonal multiplication of *Alpinia calcarata* Rosc. *Phytomorphology* 46 (2): 133- 138.
12. Martin, K. P., **Thomas, K.A.** & Hariharan, M. (2002). Organogenesis and plant regeneration from rhizome callus of *Alpinia calcarata* Rosc. *Journal of Medicinal and Aromatic Plant Sciences* 24: 6- 11.
13. Subrahmanya Prasad K & **Thomas, K.A.** (2021). A comparative study of RET plant diversity in two sacred groves of Kasaragod district, Kerala, India. *International Journal of Creative Research Thoughts* 9(9): 395- 402.
14. Subrahmanya Prasad K & **Thomas, K.A.** (2021). Deltas of Chandragiri river: Refugia of Endemic and RET Plants. *International Journal of Innovative Research in Technology* 8 (4): 643- 648.
15. Subrahmanya Prasad K, Biju P, **Thomas, K.A** & Josekutty E J. (2021). *Coleus monostachyus* (P. Beauv.) A J Paton (*Lamiaceae*): A new addition to the flora of India. *Plant Science Today* 9 (Spl): 09- 11.

#### **Seminar/ programme organized recently:**

1. One day Seminar on Biodiversity and Botanical Inventory in India. Department of Botany & Biodiversity Club, NAS College, February 4, 2020.
2. Webinar on Plant Biodiversity in India. Department of Botany & Biodiversity Club, NAS College, May 22, 2021.
3. International Webinar on Post Genomic Approaches in Biosciences. Department of Botany and NASC's Mentoring System, NAS College, January 21, 2023.
4. Two day National Seminar on 'Biodiversity Conservation and its Challenges'. Biodiversity Club and Department of Botany, NAS College, January 30 & 31, 2023.
5. Motivational talk on 'Pursuing Chemistry- An Alchemist's Tale of Exploring the New Horizons'. NASC's Mentoring System and Department of Chemistry, NAS College, February 24, 2023.
6. Motivational Talk on 'Life Plan: Career challenges and Opportunities'. NASC's Mentoring System and Department of Economics, NAS College, March 07, 2023.
7. Invited Lecture entitled 'An Introduction to some Basic Mathematical Concepts'. NASC's Mentoring System and Department of Mathematics, NAS College, March 09, 2023.
8. A talk on 'Carbon Sequestration through Afforestation'. Biodiversity Club and Department of Botany, NAS College, August 23, 2023.
9. Seminar on 'Indian Green Revolution- A tribute to Dr. M. S. Swaminathan'. Biodiversity

Club and Department of Botany, NAS College, November 10, 2023.

10. Seminar on 'Challenges and Progress in engaging Communities for Biodiversity Conservation'. Department of Botany, NAS College, January 18, 2024.

**Paper presented/ Training conducted recently:**

1. Presented a paper on the topic 'Floristic diversity and economic importance of Edayilakkad Sacred grove, Kasaragod' at International Seminar on "Anthropogenic Climate Change and Ecosystems: Challenges and Remedies" Organized by Sree Narayana College, Kannur, Kerala, January 20-21, 2020.
2. Conducted one day hands- on training programme for Alumni, public, Kudumbasree workers and UG students on a topic 'Artificial propagation methods (Budding, Grafting and Layering) in cultivated crops and horticultural plants'. Sree Narayana College, Kannur, December 01, 2022.