



St Thomas College, Kozhencherry

Established in 1953 | Reaccredited by NAAC with Grade A | ISO 9001:2015 Certified | ISO 21001:2018 Certified

Affiliated to Mahatma Gandhi University, Kottayam

www.stthomascollege.info

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Faculty Profile

Ms.Adheena Elza Johns

Assistant Professor

Department of Botany

Mobile No. +91 9497615287

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Personal Details

Date of Birth	26.07.1993
Nationality	Indian
Marital Status	Married
Permanent Address	Kottackupurathu House, Elanthoor PO, 689643, Pathanamthitta, Kerala, India.

Higher Education

2014 – 2016	M.Sc Botany, St.Thomas College, Kozhencherry.
2011 – 2014	B.Sc Botany, St.Thomas College, Kozhencherry

Professional Position

10 March 2020 to present	Assistant Professor, Department of Botany, St Thomas College, Kozhencherry
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Teaching Experience

2020 – 2023	Undergraduate students
	Postgraduate students

Courses Taught

M.Sc	Gymnosperms and Paleobotany
	Plant Physiology
	Plant Tissue Culture
	Molecular Biology
B.Sc	Methodology of Science
	Plant Physiology

Courses Taught (continued)

- Agribased Microenterprises (Open Course)
- Plant taxonomy

Professional Service Rendered

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| 2020-21 | ■ Member Committee for counselling and Orientation |
| | ■ Member Campus Beautification Committee |
| | ■ Committee Member The Brains Trust |
| | ■ Committee Member MOOC/Swayam/Coursera |
| | ■ IQAC,Department Co-ordinator |
| 2021-22 | ■ Co-ordinator Committee for Documentation of Report |
| | ■ Mentor,MOOC on Organic Farming |
| | ■ Member Online Classes Committee |
| | ■ Treasurer ,Women's Cell |
| | ■ IQAC,Department Co-ordinator |
| 2022-23 | ■ Mentor,MOOC on Organic Farming |
| | ■ Member Online Classes Committee |
| | ■ Treasurer ,Women's Cell |

Other Important Responsibilities/Positions Held

- Participated in the Question Bank Upgradation Initiative of Mahatma Gandhi University, Kottayam and Contributed to the Question Bank of IVth Semester PG CSS Botany Core Course. (During 2021-2022)
- Appointed as question paper setter for Maharajas College during 2021-2022

Awards and Achievements

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| June 2017 | ■ Thirty Third Rank, CSIR-UGC NET |
| April 2016 | ■ First Rank,M.Sc. Botany under Mahatma Gandhi University,Kottayam |
| April 2014 | ■ First Rank,B.Sc. Botany under Mahatma Gandhi University, Kottayam |

Research Experience

- **Research Scholar (Part time)**, Department of Botany, University of Kerala, Kariavattom,Thiruvananthapuram.
Guide: Dr. Radhamany P M., Former Head and Professor, Department of Botany,University of Kerala, Kariavattom,Thiruvananthapuram
Area of Research: Phytochemistry
- **Research experience (3 months)**,Rajiv Gandhi Centre for Biotechnology(RGCB), Poojapura, Thiruvananthapuram.

Areas of Specialization and Interest

- Gymnosperms
- Plant Tissue Culture
- Phytochemistry
- Biotechnology

Research Publications

- **Effect of Indole 3 Acetic acid (IAA) I germination, seedling growth, vigor and biochemical content of *Vigna unguiculate* (L.)Walp .**
Adheena Elza Johns,Dr. Elizabeth Thomas.IJRAR -ISSN-2349-5138
- **DNA Barcoding and sequence analysis of *Annona reticulata* Linn.**
VS Sangeetha,Adheena Elza Johns,Beena Lawrence. Research and Reviews: Journal of Herbal Sciences -ISSN 2348- 9558
- **GC MS analysis and in silico molecular docking studies of anti-inflammatory compounds from *Thottea barberi* (Gamble)Ding Hou root.**Adna Jayapraash,Adheena Elza Johns,Femy Haneef,Radhamany P M. Medicinal Plants-ISSN 0975- 4261
- **Bioprospecting unripe pericarp of *Annona reticulata* for the presence of bioactive compounds.** VS Sangeetha,Adheena Elza Johns,Beena Lawrence. Research and Reviews: Journal of Life Sciences. -ISSN 2348- 9545

Books Published

- Lessons in Micropropagation
- An Introduction to Phytochemical Analysis



Paper Presentations

- **Phytochemical and Nutritional Analysis of the fruit of *Syzygium stocksii*.** Annual conference of Indian Association of Angiosperm Taxonomy and National Symposium, Modern Trends in Biosystematics of Angiosperms at JNTBGRI, Palode, November 2019.
- **Phytochemical screening and antioxidant potential of leaf and bark of *syzygium stocksii* (Duthie) Gamble.** International Conference on Exploring the scope of Plant Genetic Resources at Department of Botany, University of Kerala,May 2019
- **Bioprospecting unripe pericarp of *Annona reticulata* for bioactive compounds.** UGC Sponsored National Seminar on Bioprospecting -a Quest for Natural Solutions organized by Dept of Botany, CMS College, Kottayam December 2017




Project Guidance

- M.Sc
- **Sultana Habeeb,** Allelopathic effect of leaf extracts of *Wedelia trilobata* L.,*Tridax procumbens* L. and *Lantana camara* in seedling growth of *Cicer arietinum* (2020-2021 Batch)
 - **Vijitha B.,** A review on anti diabetic potential of selected species of *Syzygium* (2020-2021 Batch)
 - **Adarsh T Sam.,** Allelopathic effect of leaf extracts of *Wedelia trilobata* L.,*Tridax procumbens* L. and *Lantana camara* in seedling growth of *Macrotyloma uniflorum* Lam. (2021-22 Batch)
 - **Sruthimol S.R. ,** A study on the ethnomedicinal plants and socio-cultural background of Malampandaram tribes in Pathanamthitta district,Kerala, India (2021-22 Batch)

Project Guidance (continued)

- B.Sc  **Bindhya Susan Varghese, Mumtaz B, Lexy Liju, Anumol, Rinsu .**, *Effect of Kinetin in Seed germination and Seedling growth of Vigna unguiculata(L)Walp* (2009-12 Batch)
-  **Anaswara K B., Ann Maria Moncy, Haritha Jayan, Priyadarsani V, Sreelekshmi V Nair,** *Floristic study of two selected sacred groves in Kozhencherry Taluk, Pathanamthitta District, Kerala* (2019-22 Batch)


Faculty Development Programmes Attended

- 1- 30 September 2020  Four weeks Induction/Orientation Programme for faculty in Universities/Colleges/Institutes of Higher Education organized by Teaching Learning Centre Ramanujan College, University of Delhi and MHRD.
- 10-18 May 2021  Faculty Development Programme on Recent Trends and Challenges in Research organized by Teaching Learning Centre ,Ramanujan College, University of Delhi.
- 15-29 July 2021  Interdisciplinary Refresher Course in Environmental Studies on 21st Century Environmental Issues, Challenges and Solutions organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

Recent Seminars/ Conferences/ Workshops Attended

-  **Webinar on techniques for Isolation and Identification of Active Ingredients from Medicinal Plants**, organized by Department of Botany, KKTU college, Pulloot on 3rd October 2020

Recent Seminar/Conferences/Workshops Organized

-  Organized an International Webinar on Synthetic Biology in Natural Product Drug Discovery on 22 March 2021, by the Department of Botany, St. Thomas College, Kozhencherry.

Skills

- Languages known  English, Malayalam, Hindi.