

## CURRICULUM VITAE

**Dr. M. UDAYAKUMAR**

M.Sc., M.Phil., Ph.D.,

*Assistant Professor*

- **INSPIRE Fellow – DST**
- **JSPS HOPE Fellow – Japan**
- **YOUNG SCIENTIST – DST-SERB, Govt. of India**
- **Expert: English to Tamil Translation-CSTT, MHRD, Govt. of India**

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Date of Birth : 15<sup>th</sup> January, 1984

Place of Birth: Elluvilai Village, Tuticorin, Tamil Nadu

Nationality: Indian

*Citation indices: Citations: 456; h-index: 10; i10 index: 10 (as on January 2025)*

## EDUCATIONAL QUALIFICATION

**Ph.D., Botany (Ecology)**, 2015. ECOLOGICAL STUDIES ON SELECTED TROPICAL DRY EVERGREEN FORESTS OF SOUTHERN COROMANDEL COAST, PENINSULAR INDIA: University of Madras, Pachaiyappa's College, Chennai: **Highly Commended**

**M.Phil., Biotechnology**, 2009. Sathyabama University, Chennai; **University Rank Holder**

**M.Sc., Botany**, 2007. Centre for Advanced Study in Botany, University of Madras, Chennai; **University Rank Holder – First Rank**

**B.Sc., Botany**, 2005. Presidency College, Chennai; **Rank Holder – First Rank**

**HSC.** 2002. Government Higher Secondary School, Kamaraj Nagar, Chennai -600071; **First Class**

**SSLC.** 1999. Government Boys Higher Secondary School, Attur, Salem – 636102; **Distinction**

<b>Project</b>	<b>Funding Agency</b>	<b>Amount sanctioned</b>
<b>INSPIRE Fellow (2010-2014)</b> Ecological Studies on Selected Sacred Groves of Southern Coromandel Coast, Peninsular India	Department of Science and Technology, Govt of India, New Delhi	18,00,000/- (Completed)
<b>Young Scientist (2016-2019)</b> Estimation of Woody Plant Biomass in Point Calimere Wildlife and Bird Sanctuary, Tamil Nadu, Peninsular India	Science and Engineering Research Board, DST, Govt of India, New Delhi	16,36,161/- (Completed)

<b>Core Research Grant (2020-2023)</b> Establishment of 25-hectare forest dynamics plot in tropical thorn forest of peninsular India & 2020-2023 (3 years)	Science and Engineering Research Board, DST, Govt of India, New Delhi	Rs. 19,60,200/- (Completed)
<b>Special Call for Proposals (2023-2026)</b> ( <i>Theme: Biology of Plants Under Extreme Environments</i> ) Investigation on Functional Traits of Sand Dune Plant Community: A Nutrient Poor Ecosystem	Science and Engineering Research Board, DST, Govt of India, New Delhi	Rs. 23,50,000/- (Ongoing)

### MERITS AND AWARDS

- **2023: Grantee**, Special Grant, SERB, GoI.
- **2019: Grantee**, Core Research Grant, SERB, GoI.
- **2015: YOUNG SCIENTIST**, Department of Science & Technology (Ministry of Science & Technology), Govt. of India
- **2013: JSPS HOPE Fellow**, Japan Society for Promotion of Science, Japan (Nominated by DST, Ministry of Science & Technology, India)
- **2010: INSPIRE Fellowship**, Department of Science & Technology [Ministry of Science & Technology], Govt. of India.
- **2014: Research Associate**, Ministry of Earth Science, Govt. of India, New Delhi
- **2012: Senior Research Fellow**, Indian Council for Medical Research, Govt. of India, New Delhi (Not utilized)
- **2010: Junior Research Fellow**, University Grants Commission, Govt. of India, New Delhi
- **2009: Meritorious Fellowship**, Department of Higher Education, Govt. of Tamil Nadu (Not utilized)
- **2008: Junior Research Fellow**, Indian National Science Academy, Govt. of India, New Delhi
- **2005: Rank Holder-First Rank, B.Sc., – Presidency College, Chennai**
- **2007: Rank Holder-First Rank, M.Sc., – University of Madras, Chennai**
- **2009: University Rank holder, M.Phil., – Sathyabama University, Chennai**
- **2006: Merit Fellowship award, University of Madras, Chennai**
- **2005: Prof. Mahadevan Scholarship, University of Madras, Chennai**
- **2005: Fyson Prize, Presidency College, Chennai**
- **2003: Meritorious Student Award, TNSC Bank, Chennai**

### MEMBER

- State Resource Team, Outcome Based Education, TANSCH, Chennai
- Expert, Translation of Botanical Technical Terms from English to Tamil, CSTT, MHRD, Govt. of India
- Member-NAAC Core Committee-Criterion VI
- Member-Environment & Energy Audit-NAAC
- Reviewer-National level Competitive mode of funding, GoI, New Delhi.
- Reviewer-Five International Journals; Seven National Journals
- Member-Question setter for All India Entrance Examination.

- Member-Staff selection committee-Devikumari College of Arts & Science for Women, Kanyakumari.
- Member-Staff selection committee-ST Hindu College, Nagercoil
- Member-Staff Selection Committee-KR College of Arts and Science, Kovilpatti.
- University Representative-Lekshmipuram College of Arts and Science, Neyyoor.
- University Representative-Einstein College of Arts and Science, Tirunelveli.
- Board of study, M.Sc., Botany (University Department), Manonmaniam Sundaranar University, Tirunelveli
- Member, Equivalence committee (B.Sc., Plant Biology and Plant Biotechnology to B.Sc., Botany)
- Question paper setter for Thiruvalluvar University, Vellore; Bharathiar University, Coimbatore; Bharathidasan University, Trichy
- Member, Observer/ Flying Squad, DD & CE, MSU
- Member, Affiliation Committee (40 colleges)
- Ph.D., Viva-voce examination, Observer
- Member, Doctoral committee (5)
- Member, Annual Convocation-Catering & Photography committees
- Member, Affiliation of Research Centre
- Member, Green Committee, NAAC-peer team mock visit
- Member, PG admission, Department of Plant Science, MSU
- Member, Interview panel, Ph.D., Botany
- Question paper setter for M.Phil., and Ph.D., Botany (Affiliated colleges)
- Member, Purchase committee, Department of Plant Science, MSU
- Student Advisor, Palmyra-Plant Club, Department of Plant Science, MSU
- Member, Organizing committee (3 workshops), Department of Plant Science, MSU

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### GUIDESHIP

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- Number of Ph.D., Ongoing: 03; Submitted: 01
- Number of M.Phil., Awarded: 03
- Number of M.Sc., Dissertation. Awarded: 21; Ongoing: 03

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### PUBLISHED ARTICLES

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Total: 34; National: 14; International: 20

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### BOOK CHAPTERS

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Total: 07; National: 04; International: 03

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### RESEARCH EXPERIENCE

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- **Core Research Grant** awarded by **DST-SERB, GoI. “Establishment of 25 Hectare Forest Dynamics Plot in Tropical Thorn Forest of Peninsular India”**. Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli.
- **Young Scientist** awarded by **DST-SERB, GoI. “Estimation of Woody Biomass in Point Calimere Wildlife and Birds Sanctuary, Tamil Nadu, Peninsular India”**. Department of Botany, Presidency College, Chennai & Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli.

- **Research Associate in MoES, GoI** funded project “**Estimation of Carbon Sequestration Potential of Trees in Southern Eastern Ghats, Tamil Nadu, India**” Department of Botany, Pachaiyappa’s College, Chennai.
- **INSPIRE Fellow** awarded by **DST, GoI**. “**Ecological Studies on Selected Tropical Dry Evergreen Forests of Southern Coromandel Coast, Peninsular India**”. Department of Botany, Pachaiyappa’s College, Chennai.
- **Research Associate in Eco Services India Pvt. Ltd.** funded project “**Flora of Cooum River**” at CAS in Botany, University of Madras, Chennai, India
- **Project Fellow** in UGC funded project “**Molecular Characterization. *in vitro* Propagation and *ex situ* conservation of *Strychnos minor* (Loganiaceae) an Endemic Medicinal plant**” at PG & Research Department of Botany, Pachaiyappa’s College, Chennai, Tamil Nadu.
- **Junior Research Fellow (JRF)** in Indian National Science Academy (INSA) project entitled “**Indigenous knowledge on the medicinal plants resources of the forests of Coromandel Coast of India in the modern period**” at Department of Ecology and Environmental Sciences, Pondicherry University, Puducherry.
- Summer project on “**Flora of Guindy Campus**” under the guidance of Prof. R. Rengasamy, CAS in Botany, University of Madras, Chennai
- Project on “**Flora of Mahabalipuram a UNESCO Heritage site**” under the guidance of Prof. K. Ajithadoss, Presidency College, Chennai.
- Project on “**Flora of Pachaiyappa’s College**” under the guidance of Dr. T. Sekar, Pachaiyappa’s College, Chennai, India.
- Project on “**Tree diversity of Chennai**” under the guidance of Prof. K. Ajithadoss, Presidency College, Chennai, India.

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#### **PUBLISHED BOOKS**

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Total: 07; National: 04; International: 03

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#### **POPULAR ARTICLES**

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- Kunguma Cimizh-Kalvi Velai Vazhikatti, 65 Articles
  - The Hindu, 10 Articles
  - Makkal Jothi: 25 Articles
  - The New Indian Express; 02 Articles
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#### **CONFERENCE/SYMPOSIA/WEBINAR ATTENDED**

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Conference: National: 27; International: 12; Webinar: 27

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#### **WORKSHOP/TRAINING ATTENDED**

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Workshop: 24

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#### **LIFE MEMBER**

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- The Indian Science Congress Association, Kolkata, India
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#### **RESOURCE PERSON**

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- Expert: Preparation of Glossary of Botany (English-Hindi-Tamil), Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Government of India.
  - Resource Person: Career Guidance-Higher Education - 2013: Government Higher Secondary School, Ashok Nagar, Chennai – 600 083.
  - Subject Expert – Forest Ecology and Environment: 2013, Sirappu Virundhinar, Jaya TV, Broadcasted on 11<sup>th</sup> April, 2013.
  - Invited lectures delivered: 20
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• Dr. M. Udayakumar (07.02.2025)