

Anu J. Vengal



An experienced Assistant Professor with a demonstrated history of working in the higher education, skilled in educational assessment, curriculum designing, mentoring, and undergraduate teaching and learning. A strong education professional with a Master's degree in Education from the University of Madras, and ongoing doctoral research in Education at Mahatma Gandhi University.

1. Personal & Contact Information

- Name: Anu J. Vengal
- Designation: Assistant Professor, Natural Science Education
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2. Current Position & Institutional Standing

- Assistant Professor, Natural Science Education, Titus II Teachers College, Thiruvalla (November 2014 – till date)

3. Educational Qualifications

- PhD in Education (ongoing) — School of Pedagogical Sciences, Mahatma Gandhi University
- UGC NET in Education, 2007
- SET in Zoology, 2005
- M.Ed. Natural Science — St Christopher's College, Chennai (Madras University)
- M.Sc. Zoology — St Berchmans College, Changanacherry, Kerala (Mahatma Gandhi University)
- B.Ed. Natural Science — Titus II Teachers College, Thiruvalla (Mahatma Gandhi University)
- B.Sc. Zoology — St. Aloysius College, Edathua, Kerala (Mahatma Gandhi University)

4. Subject / Domain Expertise

Teaching areas of interest:

- Science Education
- Educational Technology
- Environmental Education
- Education for Sustainable Development
- Green Schools

Areas of general interest:

- Educational Research
- Skill Development
- Mentoring
- Capacity Building

5. Curriculum orientation & review

- Completed NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme, UGC-MMTTC, University of Kerala (1–14 December 2023)
- Completed Professional Development Programme on 'Implementation of NEP 2020 for University and College Teachers' (7–15 October 2022) — Grade A
- Coordinator, Workshop for Teacher Educators on 'NEP 2020: What Lies Ahead for Teacher Education', Titus II Teachers College in collaboration with AKTCTA (27 August 2022)
- Participated in Orientation to the Four-Year Integrated B.Ed. Programme, organised by AKTCTA, Titus II Teachers College (2 March 2019)
- Participated in Workshop on Revised Two-Year B.Ed. Curriculum, organised by AKTCTA (26 November 2016)
- Participated in Orientation Programme on the Two-Year B.Ed. Curriculum, organised by the Board of Studies – Education and School of Pedagogical Sciences, Mahatma Gandhi University (4 August 2015)
- Participated in Review Workshops on the Restructured B.Ed. Curriculum, University of Kerala (5–6 November 2013)

Roles at University level

- Performed duty as Stage Manager, Mar Thoma College, Thiruvalla, for 'INAIMAI 2026' — MG University Intercollegiate Youth Festival 2025–2026 (28 Feb & 5 Mar 2026)
- Additional Examiner, Board of Examiners, B.Ed Degree Examination, Mahatma Gandhi University (2017–2025)
- Additional Examiner, Practical Board, Mahatma Gandhi University (2016–2025)
- Contributed to the question bank upgradation initiative of Mahatma Gandhi University (15 February 2021)
- Additional Examiner, B.Ed Degree Practical Examination, Mahatma Gandhi University (November 2018)
- Question paper setter, University of Calicut (March and September 2018)
- Question Paper Scrutiny Board member, University of Kerala (July 2018)
- Question Paper Setting Board member, IV Semester B.Ed. Degree Programme, Mahatma Gandhi University (April 2018)
- Revaluation duty, Semester I B.Ed Degree Examination, Mahatma Gandhi University (December 2016; 15 March 2018)

Digital/curriculum coordination

- Coordinator of MOOC on Organic Farming, conducted by Mahatma Gandhi University for undergraduate students (2023 & 2024)

6. Administrative & Institutional Responsibilities

- Staff Advisor, Women Empowerment Cell, Titus II Teachers College (2019–2020, 2026–27)
- Academic and Examination Committee member, Titus II Teachers College (2022–2026)
- IQAC Steering Committee member, Titus II Teachers College (2022–2026)
- Coordinator, Mentoring and Remediation Programme (2021–2026)
- Faculty in Charge, Green Forum (2019–2026)
- Facilitator, Young Innovator's Programme (YIP), Kerala Development and Innovation Strategic Council – K-DISC (2019–2026)
- Faculty in Charge, EBSB Club (June 2019–2026)
- Faculty in Charge, Natural Science Association, Titus II Teachers College (2014–present)
- PTA Secretary, Titus II Teachers College (2025)

- Faculty in Charge, Arts Club, Titus II Teachers College (2024)
- Faculty in Charge, Quiz World (2021)
- Staff Editor, e-magazine Maitri (2020 & 2021)
- Staff Advisor, Moral and Religious Association, Titus II Teachers College (2018–2019)
- Staff Editor, College Magazine, Titus II Teachers College (2018)
- Convenor, Coordination Committee for International Seminar on Catalyzing Women Empowerment for an Egalitarian Society (25–27 October 2017)
- Teacher in Charge, Nature Club activities, Titus II Teachers College (2014)
- Programme Coordinator, Community Living Camp, Baselios Marthoma Mathews II Training College, Kottarakkara (May 2014)

Earlier institutional roles (prior postings)

- Teacher-in-Charge, Student Council, The Westminster School, Dubai (2010–2012)
- Subject Coordinator, Science, Secondary School, The Westminster School, Dubai (2010–2012)
- Class In-Charge, Secondary School, The Westminster School, Dubai (2009–2012)
- Coordinator, Field Trips, The Westminster School, Dubai (2009–10)
- Coordinator, Study Tours, St. Thomas Training College, Thiruvananthapuram (2007–2008)
- Faculty in Charge, Nature Club, The Westminster School, Dubai (2006–2007)
- Staff Secretary, St. Thomas Training College, Thiruvananthapuram (2006–2007)

7. Membership in Academic / Statutory / Professional Bodies

- NCTE — National Council of Teacher Education
- AKTCTA — All Kerala Training College Teachers Association
- KPCTA — Kerala Private College Teachers Association
- SIRA — Society of Innovative Researchers and Academicians
- Effective Teacher — Committee Member
- CEAM — Council for Education Administration and Management

8. Policy, Consultancy & Extension Engagement

- Resource person, professional development & capacity building programme, Marthoma Residential School, Thiruvalla (6 June 2026)
- Coordinator, International Seminar on Value Education and Professional Identity: Preparing Reflective Teachers for Society, Titus II Teachers College with School of Physical Education and Sports Sciences, MG University & Ruth Cohn Institute for TCI International (7 October 2025)
- Resource person, Student Police Cadets Orientation Camp, AMMHS, Othara — 'Beyond the Badge' (1 September 2025)
- Resource person, 'Together for a Greener Future', SCS Higher Secondary School (5 June 2025)
- Resource person, Orientation Programme for Undergraduate Students, Department of Commerce, Marthoma College, Thiruvalla (8 November 2024)
- Workshop leader, 'Constructivism in Action: Lesson Planning for Outcome-Based Education' (30 May 2024)
- Resource person, Multidisciplinary International Seminar on Gender Education, Titus II Teachers College with CEAM (13–14 October 2023)
- Resource person, Capacity Building Programme for CBSE Teachers and School Leaders, Kanyakumari (13 May 2021)

- Organiser, International Virtual Workshop on Mental Health and Resilience of Young Adults, with Roots: Youth Mental Health Alliance, Alberta, Canada (23 January 2021)
- Resource person & Coordinator, State-level Workshop on Academic Writing, Titus II Teachers College (14 February 2019)
- Judge, District Level Science Fair, Bharatheeya Vidyanikethan, Kottayam (6 October 2018)
- Resource person, Community Living Camp, Titus II Teachers College (8–12 January 2018)
- Evaluator, District Level Science–Mathematics–Social Science–Work Experience Fair, Bharatheeya Vidya Nikethan, Kottayam (14 October 2017)

9. Teaching Experience & Innovation

- Assistant Professor, Natural Science Education, Titus II Teachers College, Thiruvalla (November 2014 – till date)
- Coordinator, MOOC on Organic Farming, Mahatma Gandhi University (2023 & 2024)
- Coordinated preparation and distribution of learning materials for M.T.U.P School, Anaprambal, through the Natural Science Association, Titus II Teachers College (September 2018)
- Assistant Professor, Natural Science Education, Baslios Marthoma Mathews II Training College, Kottarakkara (September 2012 – June 2014)
- Teacher, The Westminster School, Dubai, UAE — IGCSE Cambridge curriculum (March 2008 – February 2012)
- Assistant Professor, Natural Science Education, St. Thomas Training College, Thiruvananthapuram (February 2006 – February 2008)

10. Publications & Research

Research

- PhD in Education (ongoing, part-time research scholar), School of Pedagogical Sciences, Mahatma Gandhi University, Kottayam

Books / Edited Volumes

- Editor, Indian Knowledge Systems for Sustainable and Transformative Education in the NEP 2020 Era, UGC MMTC, University of Kerala (12 January 2026)
- Editor, Fundamentals of Environmental Education, RCS Publication, Kottayam (25 November 2022)
- Author, Frustration Among Higher Secondary School Students, Astral International Pvt. Ltd., New Delhi (2014), ISBN 978-93-5130-191-2

Book Chapters

- Chapter in Sustainable Development Goals – Targets and Achievements, ed. Dr S. V. Sudheer, UGC-HRDC, University of Kerala, ISBN 978-93-85657-23-8 (August 2020)
- Chapter in Women Empowerment: Context and Concerns, ed. Dr S. V. Sudheer, Better Books, UGC-HRDC, Kerala, ISBN 978-81-908006-7-9 (February 2019)
- Chapter in Contemporary Education and Technology: Global Scenario, ed. Dr G. Valli, Mother Teresa Women's University, Kodaikanal, ISBN 9-788192-183510 (April 2018)
- Chapter in Critical Pedagogy and Constructivism in the Digital Context (CPCDC 18), eds. Dr G. Valli, Dr A. Suganthi, Dr S. Paul Mary Deborah, Mother Teresa Women's University, Kodaikanal, ISBN 8186520368 (April 2018)
- Chapter in Counselling and Mentoring for 21st Century Learners, ed. Dr S. V. Sudheer, Better Books, UGC-HRDC, University of Kerala, ISBN 9788190800662 (November 2017)
- Chapter in Millennium Development Goals: Insights and Praxis, ed. Dr S. V. Sudheer, Better Books, UGC-HRDC, University of Kerala, ISBN 978-81-908006-8-6 (July 2017)

- Chapter in Spectrum of Educational Initiatives, ed. Dr S. V. Sudheer, Better Books, UGC-HRDC, University of Kerala, ISBN 978-81-908006-5-5 (March 2017)

Journal Articles

- Indian Knowledge Systems and Green Environment Practices: Textbook Representation and Student Awareness in Secondary Schools of Kerala, Titus Tracks – A Peer-Reviewed Journal of Education, Vol 15, ISSN 2348-4527 (December 2025)
- Construction and Standardisation of a Test of Awareness on Green Environment Practices for Secondary School Students in Kerala, International Journal of Research Publications and Review, Vol 6, Issue 8, ISSN 2582-7421 (August 2025)
- Revisiting Gilly Salmon's Five Stage Model for Online Teaching and Learning, Indian Journal of Applied Research (IJAR), Vol 11, Issue 01 (January 2021)

Seminar Proceedings

- Two-Day National Seminar on Teaching-Learning Platforms for Digital Natives, St. Thomas College of Teacher Education, Pala, organised by SIRA, ISBN 978-81-908006-9-3 (September 2018)
- Emerging Knowledge Society – Curricular and Technological Innovations and Practices, Mar Theophilus Training College, Thiruvananthapuram, ISBN 978-81-923093-0-9 (March 2017)
- National Conference on Human Rights Education, Vol. 2, Alagappa University College of Education, ed. Dr R. Portia (2017)
- UGC-sponsored National Seminar on Harnessing Human Values for Holistic Personality Development, ISBN 978-81-930097-0-3 (August 2014)
- International Seminar on Institutional Interventions to Bridge Competency Gulf in an e-World, in collaboration with CTE Kerala State Centre, ISBN 978-81-926161-1-4 (March 2014)
- UGC-sponsored National Seminar on Positive Schooling Through Positive Teacher Education, ISBN 978-81-928151-0-7 (September 2013)

11. Awards & Recognitions

- Best Poster Presentation Award, National Research Conference, organised by the Department of Higher Education, Government of Kerala, and Kerala State Higher Education Council (KSHEC), Government College for Women, Thiruvananthapuram (9–11 February 2026)
- Best Paper Presentation Award, National Seminar on 'The Implementation of Integration: The Four Year Teacher Education Programme and the Upcoming Changes, Challenges and Concerns', Peet Memorial Training College, in collaboration with KSHEC and Council for Teacher Education Foundation (11–13 December 2019)
- Consolation Prize, Poster Presentation, International Seminar on Catalysing Women Empowerment for an Egalitarian Society, in collaboration with ICSSR, KSHEC, CCEAM, UNAI (25–27 October 2017)

12. Orientation / Refresher Courses & Faculty Development Attended

- UGC-sponsored Short Term Course on Academic Writing, Research and Publication Ethics, UGC-Malaviya Mission Teacher Training Centre, University of Kerala (9–15 October 2025)
- Short-Term Course in Disaster Management (Multidisciplinary), UGC-MMTTC, University of Kerala (25–31 July 2025)
- Six-Day Basic Training Programme on Indian Knowledge System, University of Kerala, organised by UGC New Delhi in collaboration with IKS Division, Ministry of Education, Government of Kerala (24 February – 1 March 2025)

- NEP 2020 Orientation & Sensitization Programme, Malaviya Mission Teacher Training Programme, UGC-MMTTC, University of Kerala (1–14 December 2023)
- Professional Development Programme on 'Implementation of NEP 2020 for University and College Teachers' — Grade A (7–15 October 2022)
- Online Two-Week Interdisciplinary Refresher Course on 'Advanced Research Methodology 2.0', Teaching Learning Centre, Ramanujan College, University of Delhi — Grade A+ (17 June – 1 July 2021)
- Orientation Course, UGC-HRDC, University of Calicut (10–29 February 2020)
- One-Week Short-Term Course in Student Counseling and Mentoring, sponsored by RUSA (30 October – 4 November 2017)
- Refresher Course on Education and Teaching Methods, UGC-HRDC (9–29 March 2017)

Certificate Courses

- Education for Sustainable Development (ESD) Training, EduGems, Finland (completed 2023)
- Publons Academy Practical Peer Review Course (completed 1 June 2021)
- 'Recent Trends in Research Article Writing', REST Society Research International (completed 22 March 2021)
- 'Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential', McMaster University, Ontario, Canada, via Coursera (completed 14 April 2020)
- Python for Beginners, Udemy (completed 6 April 2020)