

Dr. Latha Christie

PROFESSIONAL BIOGRAPHY

Dr. Latha Christie is a retired Senior Scientist who served for 37½ years at the Microwave Tube Research and Development Centre (MTRDC), Defence Research and Development Organisation (DRDO), Bangalore. Over nearly four decades in India's national R&D ecosystem, she has contributed significantly to the design and development of microwave tubes, high-power microwave (HPM) systems, and computational electromagnetics for aerospace applications, helping advance the nation's capabilities in advanced microwave and aerospace technologies.

An interdisciplinary scholar, Dr. Christie is widely known for her work at the intersection of science, theology, and ethics, engaging questions of cosmology, human identity, suffering, and the moral implications of emerging technologies. She moves fluently between the laboratory, the classroom, the pulpit, and the public square, bringing a rare combination of technical depth, pastoral sensitivity, and ethical clarity.

Dr. Christie holds a B.E. (Hons.), an M.S., and a Ph.D. in Aerospace Engineering from the Indian Institute of Science (IISc), Bangalore. Alongside her scientific training, she pursued formal theological and philosophical studies, earning an M.Div. from Southern Asia Bible College and an M.A. in Christian Studies from the University of Madras. She also completed an Executive Diploma in Project Management and Leadership, offered in collaboration with the George Washington University School of Business and I2P2M. She has submitted her Ph.D. thesis in Theology, where her research focuses on the ethical and theological implications of Artificial General Intelligence, personhood, and human dignity in an age of intelligent machines.

After her retirement from DRDO, Dr. Christie founded Christie Global Consulting, a boutique firm that helps organizations and leaders navigate innovation, AI and ethics, and transformative leadership with a human-centred lens. She is also a certified Senior Life Coach and a certified counsellor, working with individuals and leaders on purpose, resilience, and inner healing. Drawing from her experience leading major R&D programmes, mentoring scientists and engineers, and journeying with people through crisis and transition, she now offers keynote talks, strategic advisory, workshops, coaching, and thought-leadership content for corporates, universities, conferences, and non-profits in India and internationally.

A prolific author and communicator, Dr. Christie has written several impactful works, including:

- *Beyond the Boundaries of Science: Exploring the Cosmic Story* – integrating cosmology and Christian theology.
- *When the Flame Flickers: Emerging from Marital Abuse* – a compassionate guide addressing domestic violence, trauma, and healing.
- *Coupled-Resonator Slow-Wave Structures for Travelling-Wave Tubes* – a specialised technical monograph on microwave amplifier design.
- *Electromagnetic Modeling of Waveguide Discontinuities* – a detailed technical reference on waveguide systems and electromagnetic analysis.

She also conceived and hosted *The Grand Cosmic Story*, a 20-episode YouTube documentary series that explores intelligent design, cosmology, moral law, and the search for meaning, engaging

global audiences in thoughtful dialogue on science and faith. Beyond her scientific and literary contributions, Dr. Christie is the founder of the Deborah Rise Movement, a mentoring and empowerment initiative that has equipped hundreds of women in emotional healing, critical thinking, and leadership. Through mentoring circles, teaching sessions, and retreats, she has journeyed with survivors of abuse and trauma, helping them rebuild identity, resilience, and purpose. Her work as an academic mentor includes guiding graduate and doctoral students, conducting workshops on integrating faith with research, and delivering lectures across disciplines – ranging from high-power electromagnetics and AI ethics to suffering, hope, and human flourishing.

Dr. Christie's contributions have been honoured with numerous awards, including:

- WXN GAIL Award (2025) – Global 100 Women, Thought Leaders category (Women's Executive Network).
- WCW Tech Leaders Award (2025) – Finalist, Women Changing the World Awards.
- Karnataka Women Achiever Award (2022) – Federation of Karnataka Chambers of Commerce and Industry (FKCCI).
- Outstanding Women Leader Award (2022) – GISR Foundation.
- Prof. Satish Dhawan Young Engineers Award (2014) – presented by the Chief Minister of Karnataka.
- DRDO AGNI Team Award (2004) – for innovation and excellence in microwave tube technology.
- President's Guide Award (1980) – a national honour recognising excellence in scouting and leadership.
- Multiple Best Paper Awards for her interdisciplinary research in science, ethics, and theology.

She is a Life Member of IETE and VEDAS (Vacuum Electronic Devices and Applications Society), and a member of IEEE and the American Scientific Affiliation (ASA). She is also affiliated with global networks such as the Discovery Institute's Intelligent Design Network, the Center for Theology and the Natural Sciences (CTNS), and the AI & Faith Ethics Initiative. Through these roles she continues to serve as a bridge between advanced technology and ethical reflection, scientific discovery and spiritual insight, helping people and institutions navigate a rapidly changing world with wisdom, compassion, and courage.