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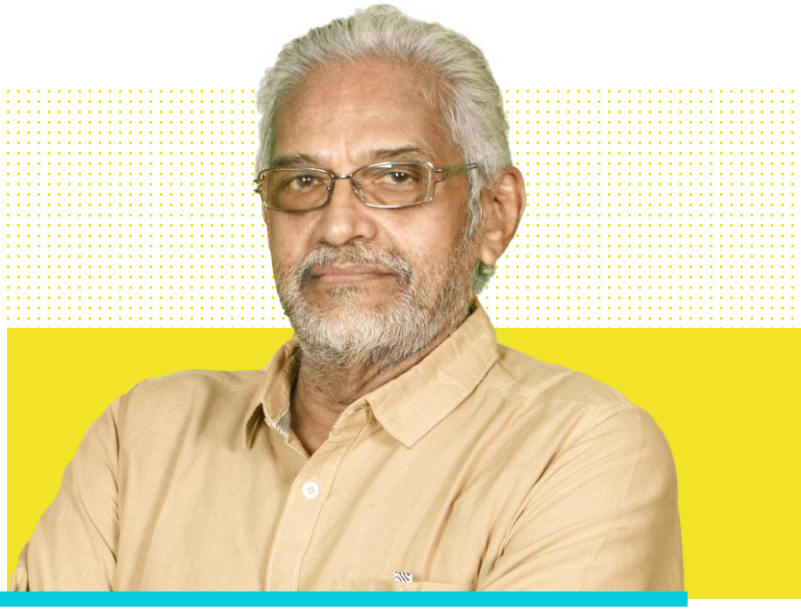

Mentor

Dr. A. V. Ramachandran

School of Science

Qualifications

- Ph.D.- Department of Zoology, Faculty of Science, The M. S. University of Baroda, Vadodara-390002, Gujarat, India.
- M.Sc.- Department of Zoology, Faculty of Science, The M. S. University of Baroda, Vadodara-390002, Gujarat, India.
- B.Sc.- Department of Zoology, Faculty of Science, The M. S. University of Baroda, Vadodara-390002, Gujarat, India

Contact Details

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Background

Prof. Ramachandran has 40 years of vast experience in teaching and research. His extensive teaching involvement covers various branches of Life Science like Cell Biology, Molecular Biology, Genetics, Microbial Genetics, Immunology, Developmental Biology, Biotechnology, Biostatistics, Reproduction Physiology and Endocrinology.

Published more than 250 research articles and research papers in recognized peer-reviewed journals. The latest publications in past 10 years.

Research Areas and Contribution

Actively involved in research in the areas of Developmental Physiology, Metabolic and Reproductive endocrinology, Toxicology, Neonatal hormonal programming leading to developmental plasticity and adult thrifty phenotype, and Phytotherapy in relation to disorders like diabetes, hypercholesterolemia, Non-alcoholic steatohepatitis and Metaltoxicity.

Started pioneering work on reptilian regeneration in India and initiated studies on pineal modulation of metabolic functions and reproductive processes in the vertebrate series with emphasis on birds and mammals. Initiated studies on neonatal hormonal disturbances in inducing developmental plasticity and role of melatonin as a deprogrammer.

A Brief Overview of Research and Development Activities

- Started pioneering work on regeneration studies· with a reptilian model the only school working on regeneration in India and one of the very few working internationally. Have helped firmly establish the reptilian regeneration group in India.
- Initiated studies on reproductive endocrinology of both birds and mammals. In the process, the department of Zoology, The M.S.University of Baroda became one of the few schools in India working on pineal influenced metabolic functions and reproductive activities. Especially, pineal-adrenal and pineal-thyroid interactions have been studied in detail in birds in controlling seasonal reproduction.
- Another area explored was the development of adult thrifty phenotype with reference to reproductive functioning diabetic manifestations due to developmental plasticity induced by neonatal hormonal programming.

Scientific Area and Recognition

- International Society of Andrology Award for "Scientific Excellence" - Awarded at the VII ISA conference at Montreal, CANADA-2001.
- Awarded "Prof. Pera Naidu Govindarajulu Gold Medal" for Career Research in Reproduction and Endocrinology-1997.
- Conferred the "Fellowship in Reproduction and Endocrinology (FRE)" of the National society for Reproductive Biology and Comparative Endocrinology- 1995.
- INSA visiting fellowship-1992.
- "Hari Ohm Ashram PreritBhaikaka Inter University Smarak Trust" award for the Best Research Paper for the year 1991.