

C U R R I C U L U M V I T A E

D r . A . T H A N G A R A J A

A.PERSONAL ATTRIBUTES

1. Qualification : **M.Sc., M.Phil., M.Tech., Ph.D**
2. Age and Date of Birth : 47 ; 07- 04- 1972
3. Residential Address : S/o Thiru. T.Amirthalingam
3B, 4th Cross Street,
Gowri Nagar, Mugaliwakkam ,
Chennai – 600 125. Tamilnadu, India
4. Community and Religion : BC – Hindu
5. Mobile : 9965256568
6. Email : athangaraja@gmail.com

B. ACADEMIC QUALIFICATION

S. No	Degree	University/Institution	Percentage and Class	Year of Passing
1	Ph.D. Specialization in Genetics-Botany	Madurai Kamaraj University, Madurai	Highly commendable	Feb. 2008
2	M.Tech - Biotechnology	Sathyabama University Chennai	First class with Distinction (8.2)	Apr 2009
2	M. Phil. –Botany	Madurai Kamaraj University, Madurai (AJ College, Sivakasi)	First class (72%)	May, 1997
3	M.Sc. – Botany	Madurai Kamaraj University, Madurai (AJ College, Sivakasi)	First class with Distinction (75.9%)	April, 1996
4	B.Sc. – Botany	Madurai Kamaraj University, Madurai. (Vivekananda College, Madurai)	First class with Distinction (79)	April, 1993
5	SLET - Life Science	Tamilnadu – Bharathiyar University, Coimbatore	Qualified	2012
6	SLET - Life Science	West Bengal Service Commission, Kolkatta	Qualified	2002

B. ACADEMIC EXPERIENCE

Total Experience : 25 yrs, three months

Research : 5 Years

Teaching : 20 Yrs, 3 months

1. Working as **Ass. Professor in Plant Biology and Plant Biotechnology** in Dr. Ambedhar Govt Arts College, Chennai, from **03-03-2015** to **till date**
2. Worked as **Ass Professor in Botany** in Govt Arts College, Chidambaram, from **29-07-2015** to **02.03.2016**
3. Worked as Coordinator, Department of Nanotechnology, St Peter University, Chennai from **01-07-2013** to **30.04.2015**
4. Worked as Associate Professor, Department of Biotechnology, St Peter University, Chennai from **01-07-2011** to **30.04.2015**
5. Worked as **Professor** cum Vice Principal in Vi Institute of Technology, Chennai from **01.04.2010** to **30.06.2011**.
6. Worked as **Dean for Autonomous and Research** in Kamaraj College of Engineering and Technology, Viruthunagar from **01-04-2009** to **31.3.2010**
7. Worked as **Associate Professor in Biotechnology** in Kamaraj College of Engineering and Technology, Viruthunagar from **01-07-2002** to **31.3.2009**
8. Worked as **Research scholar** in the project sponsored by **Indian Council for Forest Research and Education, DehraDun** at Ayya Nadar Janaki Ammal College Sivakasi, from 01.07. 1997 to 30.06. 2002

B. SUBJECTS HANDLED

B.Tech. Biotechnology: Cell Biology, Plant Biotechnology, Genomics and Proteomics, Cancer Biology, Bioinformatics, Genetics, Environmental Science & Engineering, Molecular Biology, Animal Biotechnology, Nanobiotechnology, Immunology, Molecular Pathogenesis, Microbiology, Recombinant DNA Technology,

M.Tech. Biotechnology: Plant Biotechnology, Food processing and Biotechnology, Genomics and Proteomics

B.Sc. : Ecology, Toxicology, Pharmacognosy, Biotechnology, Genetics

M.Sc. : Plant taxonomy, Gymnosperms, Plant Biotechnology

M.Phil : Tree Biology, Biotechnology

C. Number of Research Projects and Consultancy Undertaken:

S.No	Title of Research Project	Funding Agency	Funding Amount	Duration
1	Production of nano-urea fertilizer for agriculture	MSME, New Delhi	Rs.6.25 lakhs	Oct 2012 – Sept 2013
2	Nano-biotechnological approaches to synthesis of nanocrystalline silica particles from agro waste to healthcare	Tamil Nadu State Council for Science and Technology Chennai, Tamilnadu	Rs. 2.00 lakhs	June 2008 – May 2010
3	Application of Science and Technology for Rural areas	Tamil Nadu State Council for Science and Technology Chennai, Tamilnadu	Rs.1.00 lakhs	Dec 2009 – May 2010
4	Characterization of Aloe gel based pharamaceutical products	Biotech Manugacture, Madurai,	Rs.1.00 lakhs	Dec.2008 – Nov. 2009
5	Bioremediation of Tannery effluent by genetically modified organism	Tamil Nadu State Council for Science and Technology Chennai, Tamilnadu	Rs. 5,000/-	Dec 2008 – May 2009
6	Synthesis of Chromium nanoparticles from Tannery Effluent by microbial Bio Transformation	Department of Biotechnology (DBT), New Delhi	Rs. 10,000/-	Dec 2009 – May 2010
7	Synthesis of nanoclay composite for targeted delivery system	Tamil Nadu State Council for Science and Technology Chennai, Tamilnadu	Rs. 6,000/-	Dec 2009 – May 2010
8	Chromium nanoparticles from Tannery Effluent by microbial Bio Transformation for Industrial purpose	Nanomission NewDelhi	35 lakhs	Applied for funding

D. PATENTS FILED -2

1. Major Inventions filed for patents are in the area of Nanoscience and Tecnology – C.B.R. No. 4652/ Dt. 01/08/2010
2. Preparation of Urea nanocomposites for agriculture –C.B.R. No.8499/ dt.27.09.2010.

E. PAPERS PRESENTED/ PUBLISHED/ WORKSHOP CONDUCTED/ PARTICIPATED

- Paper Published at referred journal : **32** (Vide Annexure I)
- Papers presented in Conference / Seminar/ Symposia : **29** (Vide Annexure II)
- Workshop / QIP participated : **12** (Vide Annexure III)
- Workshop / Conference / Symposia Organized : **10** (Vide Annexure IV)
- Books/ Chapters in the books /Monograph published : **07** (Vide Annexure V)

F. NO. OF THESIS / DISSERTATIONS GUIDED / UNDER GUIDENCE

B.Tech.Biotechnology – 45	M.Phil. Biotechnology - 02
M.Tech Biotechnology - 05	Ph.D Biotechnology - 03

G. JOURNAL EDITORS AND REFEREES

S.No.	Name of the Journal	Position
1.	International Journal of Research in Engineering and Advances in Technology	Editorial Board Member
2	Journal of Medicinal plant Research	Referee / Reviewer
3.	Intercontinental J. Agricultural Science	Referee / Reviewer
4.	Academic Journals	Referee / Reviewer
5.	Journal of Nanoparticles Research	Referee / Reviewer

H. ISO AUDITING

- **ISO 9001 : 2000 - Internal Auditor** for Kamaraj College of Engineering and Technology from 01.12.2004 to 30.03.2010.
- **ISO 9001 : 2008 – Internal Auditor** for St Peter’s University, Chennai from July 2012 to till date.
- Participated the training program on **Internal Audit as per ISO 9001:2000 International Standards for Quality Management Systems**, conducted by Shah Consultancy, Tirunelveli.

- Participated the training program on **Internal Audit as per ISO 9001:2008 Quality Management system and Audit training** conducted by Creative Management consultants Chennai. 7th July 2012.

I. PROJECT PROFILE - SUBMITTED AS AUTHOR

- 1996 → Flora of Seithur hills relation to Polypetalae and Gamopetalae (M.Sc. dissertation)
- 1997 → Pollination ecology of *Calotropis gigantean* R.Br. Asclepiadaceae (M.Phil thesis)
- 2001 → Pollination Biology of certain forest tree species (Project report submitted to ICFRE, Government of India, New Delhi)
- 2008 → Reproductive Biology and Genetic diversity of *Terminalia paniculata* Combretaceae (Ph.D Thesis)
- 2009 → Biosynthesis of silica nanoparticles for drug delivery (M.Tech thesis)

J. MEMBER IN VARIOUS ORGANIZATION

- * Member (Life) ISTE
- * Member, BOLD
- * Member, Dendrome
- * Member, Mycological society of India

K. PROFESSIONAL EXPERIENCE

- **Co-Coordinator**, Curriculum Development cell, Dr.Ambedkar Government Arts College, Chennai from April 2022.
- **Academic Audit Member - Internal Quality Assurance Cell**, Department of Bioinformatics, Stella Maris College, Chennai.
- **Subject Expert - Board of Studies**, Department of Bioinformatics, Stella Maris College, Chennai. (2019)
- **Co-Ordinator, Centre for Nanotechnology**, St Peter University, Chennai from **01-10-2013** to 30.04.2015
- **Dean for Autonomous and Research**, Kamaraj College of Engineering and Technology, Viruthunagar from 01-07-2002 to 31.3.2010
- **Member- Academic Council** St Peter's University, Chennai from 2011- 2015

- **Member-Board of Studies** – Department of Biotechnology, St Peter's University, Chennai from 2010- 2015.
- **Member -Board of Studies**, Department of Bioinformatics, Stella Maris College, Chennai. (2013 and 2017)
- **Member -Board of Studies**, Center for Research and PG studies in Botany, Ayya Nadar Janaki Ammal College, Sivakasi. (2005)
- **Member- Doctoral Committee**, Department of Biotechnology, KSR Engineering college, Tiruchengodu, under Anna University of Technology Coimbatore, TamilNadu (2010)
- **Member- Doctoral Committee**, Department of Biotechnology, St. Michael College of Engineering, Kalayarkovil under Anna University of Technology Tiruchi, TamilNadu (2010).
- **Member- Planning and Evaluation committee**, Ayya Nadar Janaki Ammal College, Sivakasi (1995).
- **Member- Doctoral Committee**, Department of Biotechnology, St. Peter University, Avadi Chennai, TamilNadu
- **ISO – 9001 -2008 Certified Internal Quality Auditor**, St Peter's University, Chennai from June 2012.
- **ISO – 9000 -2000 Certified Internal Quality Auditor**, Kamaraj College of Engineering and Technology, Virudhunagar, from June 2015 to May 2009.

L. CERTIFICATE PROGRAMME

- ❖ Certificate on **Journalism Tamil**, Conducted by Department of Tamil Vivekananda College, Madurai.
- ❖ Certificate on **Sri Ramakrishna, Vivekananda**, Conducted by Vivekananda Kendra, Kanyakumari.
- ❖ Certificate on **Ramayana** conducted by Vivekananda Academy of cultural Dstudies, Kanyakumari.
- ❖ Certificate on Active member of National Service Scheme Under NSS unit no. 51, Vivekananda College, Madurai.

M. MERIT/ AWARDS/ PRIZES RECIEVED

- ✓ Certificate of Merit on **Best Behaved students** by Vivekananda College, Madurai.
- ✓ Merit Award certificate on reconized for recived **Ph.D** by Rotary Club of Virudhunagaar (RI Dist 3212), Virudhunagar.
- ✓ Profiancy Prize II for best performer for Academic by Vivekananda College, Madurai.
- ✓ Academic nd Research excellence Award by Research Association -Thiruvennamalai
- ✓ Received '**Best Project Award**' for which financial assistance has been received from Tamil Nadu State Council for Science and Technology, Chennai (Student Arunkumar)