

# Curriculum Vitae



- 1. Name** : Dr. N. KARTHIK  
**2. Father's Name** : K. NATESAN  
**3. Sex** : MALE  
**4. Specialization** : Microbiology, Plant Pathology  
**5. Marital status** : MARRIED  
**6. Religion** : Christian (RC)  
**7. Date of Birth** : 22-05-1984  
**8. Place of birth** : New Delhi  
**9. District and state** : Namakkal, Tamil Nadu  
**10. Mother Tongue** : Tamil  
**11. Nationality** : Indian  
**12. If differently abled** : No  
**13. Address for Communication** : 6/218 C, Lakshmi Nagar, Bodupatti Post, Namakkal  
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## 14. Educational Qualification:

S. No.	Examination Passed	Subjects	Specialization	Year of Passing	% of Marks / Grade Class / Rank	Name of the Institution / College / University
1	Ph.D.	Microbiology	Microbiology	29 <sup>th</sup> April, 2021	Ph.D. Awarded	Bharathiar University
2	M.Phil	Microbiology Biostatistics Research Methodology	Microbiology	2010	I Class 72%	PSG College of Arts and Science College, Bharathiar University
3	M.Sc	Bacteriology Immunology Virology Phycology Mycology	Microbiology	2007	II Class 57%	MGiAS College, Rajasthan University (Jaipur)
4	B.Sc	Microbiology	Microbiology	2004	I Class 68%	Aurora Degree College, Osmania University, Hyderabad
5	XII	Biology Physics Chemistry Practicals English Hindi	Biology Major	2001	II Class 56%	Kendriya Vidyalaya School, Barkas, Hyderabad
6	X	Biology Physics Chemistry Maths Social Science	CBSE X	1999	I Class 64%	Kendriya Vidyalaya School, Barkas, Hyderabad

### 15. Details of Ph.D. Degree:

**Ph.D Thesis Title:** “Biosynthesis, Characterization, Screening and Evaluation of various Nanoparticles against *Phomopsis theae* Petch infecting tea (*Camellia sinensis* (L) O.Kuntze)” (from 01 November 2017 to 29<sup>th</sup> April 2021).

### 16. Teaching Experience :

S. No	Institution	Position	Temporary	Teaching		Duration		Years of experience
				UG	PG	From	To	
1.	Gokulnatha College of Paramedical Sciences	Lecturer	Temporary	B.Sc Diploma	Nil	June 2013	December 2015	2 years 6 months
5.	Sacred Heart College, Tirupattur	Assistant Professor	Temporary	B.Sc-I,III	M.Sc-I,II	09 August 2021	22 December 2021	5 months

### 17. Research Experience

S. No	Name of the Fellowship	Project completed during the tenure of fellowship	Institution/ Organization	From	To
1.	JRF (National Tea Research Foundation)	Nanobiotechnological approaches for the management of stem and root diseases of tea plants using indigenous biocontrol agents.	K.S.R. College of Technology	04/01/2016	03/01/2018
2.	SRF (National Tea Research Foundation)		K.S.R. College of Technology	04/01/2018	04/01/2021

### 18.. Research Publications

:  
Natesan, K., Ponmurugan, P., Gnanamangai, B.M., Manigandan, V., Joy, S.P.J., Jayakumar, C. and Amsaveni, G., 2021. Biosynthesis of silica and copper nanoparticles from *Trichoderma*, *Streptomyces* and *Pseudomonas* spp. evaluated against collar canker and red root-rot disease of tea plants. *Archives of Phytopathology and Plant Protection*, 54(1-2), pp.56-85.

Suganya Mani, Kavitha Shivaji, Karthik Natesan, Ashaq Hussain Bhat, Mythili Gnanamangai Balasubramanian and Ponmurugan Ponnusamy., 2021. In silico analysis of antimicrobial eupalitin isolated from *Ageratina adenophora* using docking method. *African Journal of Biotechnology*: Article in Press.

Natesan, K., Ponmurugan, P., Gnanamangai, B.M., Suganya, M. and Kavitha, S., 2020. Biosynthesis of Silver Nanoparticles from *Streptomyces* Spp., Characterization and Evaluating of Its Efficacy against *Phomopsis theae* and *Poria hypolateria* in Tea Plants (*Camellia sinensis*). *Nano Biomed. Eng*, 12(3), pp.272-280.

Mohanraj, R., Gnanamangai, B.M., Poornima, S., Oviyaa, V., Ramesh, K., Vijayalakshmi, G., Nithya, M., Karthik, N., Ponmurugan, P. and Robinson, J.P., 2020. Decolourisation efficiency of immobilized silica nanoparticles synthesized by actinomycetes. *Materials Today: Proceedings*.

Shanmathi, C., Ponmurugan, P., Karthik, N., Anita, M., Ezhilarasu, A. and Rohini, A. 2020. In Silico Analysis of Various Antiviral Compounds Against Spike Protein of COVID 19 using Docking Methods. *IJERT*.

Mani, S., Natesan, K., Shivaji, K., Balasubramanian, M.G. and Ponnusamy, P., 2019. Cytotoxic effect induced apoptosis in lung cancer cell line on *Ageratina adenophora* leaf extract. *Biocatalysis and Agricultural Biotechnology*, 22, p.101381.

#### 19. Languages known

S.No	Name of the Language	Read	Write	Speak
1.	English	Yes	Yes	Yes
2.	Hindi	Yes	Yes	Yes
3.	Tamil	No	No	Yes

#### 20. References:

Dr. P. Ponmurugan Associate Professor Department of Botany Bharathiar University Coimbatore – 641 046 drponmurugan@gmail.com	Dr. Mrs. Shobha Chitambar Former Senior Deputy Director and Head Scientist Enteric Virus Department ICMR-National Institute of Virology Pune- 411001 drshobhachitambar@gmail.com
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#### 21. Declaration:

I, **Dr. N. Karthik**, hereby declare that the entries in this form are true to the best of my knowledge.

**Dr. N. Karthik**