

## C. V.

### Personal Details

Name : Aparna Prasad  
Date of Birth : 04<sup>th</sup> Sep 1991  
Name of Father : Prasad TC  
Name of Mother : Usha KC  
Marital status : Married  
Permanent Address : Sreemangalam  
Near Vengeri UP  
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Vengeri- 673010  
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DD Registration No. : 3/2015



### Academic Qualifications

Course	Name of the Institution	University/Board	Year	Percentage
Ph.D. Botany	St. Joseph's (autonomous) College, Devagiri	Calicut University, Malappuram, Kerala.	2025	
M.Sc. Botany	Department of Botany, Deva matha College, Kuravilangadu, Kottayam	MG University, Kottayam, Kerala, India.	2014	85.5% CGPA: 3.42
B.Sc. Botany	Providance women's College, Malaparamba, Calicut	Calicut University, Malappuram, Kerala, India	2012	84% CGPA: 3.38
H.S.C.	Government Higher Secondary School, East hill, Calicut	Board of Higher Secondary Examination, Government of Kerala, India	2009	73%

S.S.L.C.	Providance Girls Higher Secondary School, Calicut	General Education Department, Government of Kerala, India	2007	85%
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### National Level Tests Qualified

➤ **Council of Scientific and Industrial Research National Eligibility Test (CSIR-UGC) in Life Science.**

JRF & NET in 2018  
All India Rank - 99

### Experience

➤ **Research Fellow**

*St. Joseph's College, Devagiri, Kozhikode, Kerala.*  
*August 30, 2019 – January 09, 2025.*

- Researcher in Biotechnology, Nanotechnology, and Phytochemistry
- 5 years of practical, lab-based experience in plant tissue culture techniques
- Published findings in peer-reviewed journals and presented research at national and international conferences.
- Collaborated with interdisciplinary teams to explore novel applications in biotechnology and nanotechnology.

➤ **Guest Lecturer**

*St. Joseph's College, Devagiri, Kozhikode, Kerala.*  
*(August 09, 2016 – March 31, 2017).*

*Providence Women's College, Kozhikode, Kerala.*  
*(February 09, 2015 – March 31, 2015) & (August 03, 2015 – March 31, 2016).*

- Taught Botany to undergraduate and post graduate students, delivering engaging lectures and facilitating class discussions.
- Assisted students in the preparation and execution of their project dissertations, offering guidance on research and data interpretation.
- Assisted in the preparation of teaching materials, assignments, and exams.
- Provided academic support to students, including one-on-one mentoring and feedback on assignments.
- Collaborated with faculty members to enhance the learning experience for students.

### Dissertations

- **MSc Dissertation Title:** Studies on Ornamental Potential Plants of Meenachil Taluk of Kottayam District, Kerala.
- **BSc Dissertation Title:** Studies on Micropropagation and Anatomical Characters in Tissue Cultured Plants of *Aloe vera* L.

## Publications

- Biogenic synthesis of metal oxide nanoparticles for the elicitation of secondary metabolites in the in vitro propagated plantlets of *Rubia cordifolia* L. *In Plant Cell, Tissue and Organ Culture* (PCTOC) (2025). (Impact factor – 2.3)
- Advancements in metal and metal oxide nanoparticles for targeted cancer therapy and imaging: Mechanisms, applications, and safety concerns. *In Journal of Drug Delivery Science and Technology* (2025). (Impact factor – 4.5)
- Antioxidant-Oxidative Stress Balance in Chemoprevention of Cancer (Book Chapter). *Bioactive Compounds from Medicinal Plants for Cancer Therapy and Chemoprevention* (Book) (2024).
- Role of metal nanoparticles in organogenesis, secondary metabolite production and genetic transformation of plants under in vitro condition: a comprehensive review. *In Plant Cell, Tissue and Organ Culture* (PCTOC) 158:33 (2024). (Impact factor – 2.3)
- *In vitro* axillary bud multiplication of an important medicinal plant-*Rubia cordifolia* L. *In Journal of Survey in Fisheries Science* (2023). (Impact factor – 0.59)
- Potential ornamental plants from Meenachil taluk of Kottayam district, Keral, India. *In European Journal of Environmental Ecology* (2014).
- Potential ornamental climbers from Meenachil taluk of Kottayam district, Keral, India. *In Journal of Science* (2014).

## Computer Knowledge

- MS office Professional.
- CTTC.

## References

### 1) Dr. Satheesh George

Assistant Professor

Research and Post Graduate

Department of Botany

St. Joseph's College

(Autonomous), Devagiri,

Kozhikode, India – 673008

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### 2) Dr. Binu Thomas

Assistant Professor

Research and Post Graduate Department of Botany

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## **Declaration**

I do here by confirm that the information given in this form is true to the best of my knowledge and belief.

Yours faithfully

**Aparna Prasad**

