# PROFILE

**Name:** Dr. N.Baratha Jyothi
**Educational Qualifications:** MSc, B.Ed, MPhil, PhD
**Designation:** Assistant Professor
**Department:** Zoology
**Date of joining Maris Stella:** 03.06.2019

## I Academics

| Degree | Institution/University | Year |
|---|---|---|
| PhD in Immunology | Acharya Nagarjuna University | 2017 |
| MPhil in Immunology | Acharya Nagarjuna University | 2013 |
| MSc Zoology | Acharya Nagarjuna University | 2007 |
| B.Ed Biology,English | S.G.S Govt.IASE College,Rajahmundry | 2004 |

## II Professional Experience

| Position Held | Institution | Year |
|---|---|---|
| Assistant Professor in Zoology | Maris Stella college(A)Vijayawada | 2019 onwards till present |

## III Academic & Administrative Roles at Maris Stella

- Member of the Discipline Committee: 2019-2025
- Member of the Admission Committee: 2022-2025
- Member of the IPR Committee:2022-2025
- Coordinator of Youth Red Cross: 2022-2025
- Coordinator of AICUF: 2021-2025

## IV Academic Contributions to other Institutions

- Subject Expert, Board of Studies in Zoology,JMJ college for Women,Tenali, 2025
- Member, Board of Studies, SRR & CVR College of Arts & Science, Vijayawada: 2023

## V Professional Memberships

- Life Member, Sidvi foundation, Visakhapatnam,2023
- Life Member, Indian Red cross society , 2023

**VI Refresher Courses / Orientation Courses / Short Term Courses Done**

1. Participated in the Fdp-Dr Mercy Pushpalatha And Jaya Abraham, Teacher As Facilitator Of Learning, 5-6 June,2019 Two Day IQAC, Maris Stella College,Vijayawada
2. Short Term Course Basics Of Organic Farming May 31 To June 6;1 Week Dept.Botany Iqac Athalye-Sapre-Pitre College(A),Devrukh,Dist: Ratnagiri, Maharastra, 2020.
3. Global Certification Program In Green Revolution, 8 Weeks Program by United Nations Framework Convention On Climate Change International Centre For Culture & Education To Educate,Inspire Act Against Climate Change,2020.
4. Participated in the Coursera: Education for Everyone: One Week Course On Covid-19 Contact Tracing Johns Hopkins University in The Month Of October,2020.

coursera

**(i)** Completed successfully 12 weeks online certificate course, "Host Pathogen Interaction (Immunology) with a consolidation score of 53%.

**(ii) Research Papers Published:**

**Detail of patents.**

| S.No | Patent Title | Name of Applicant(s) | Patent No. | Award Date | Agency/Country | Status |
|---|---|---|---|---|---|---|
| **1** | **Monitored chemical dispensing system** | **Dr.N.Baratha Jyothi** | **377737-001** | **2023-03-03** | **India** | **Published** |
| **2** | **Design Device for Production of Cancer Vaccine** | **Dr.N.Baratha Jyothi** | **6280892** | **2023-05-17** | **UK** | **Published** |
| **3** | **Portable nanoparticle cytotoxicity test device for cancer treatment** | **Dr.N.Baratha Jyothi** | **GO1N33/483** | **2023-09-27** | **German** | **Published** |

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| **4** | **High performance Thin-layer chromatography (HPTLC) Device for Analysis of chemical compounds** | **Dr.N.Baratha Jyothi** | **404740-001** | **2024-03-26** | **India** | **Published** |
| **5** | **Portable Auto Analyser for Detection of Cholestrol level in Blood** | **Dr.N.Baratha Jyothi** | **408170-001** | **2024-04-09** | **India** | **Published** |
| **6** | **BOD INCUBATOR FOR STABILITY STUDIES MEASUREMENTS. Maris Stella college Patent No. 412101-001 Chemical Sciences Published Filed 2024-03-30 Published 2025-03-28** | **Dr.Arti Gupta,Dr. Prashantr.Mahalle, Dr.Kushal, N.Pathade, Dr.Ram Babu,Dr.Pawanjeetkaur,Dr.N. Baratha Jyothi Dr.N.Baratha Jyothi** | **412101-001** | **2025-03-28** | **India** | **Published** |
| **7** | **GSM GPS based wild life animal tracking system** | **Dr.N.Baratha Jyothi** | **202441074771A** | **2024-10-11** | **India** | **Published** |

PATENTS

**2014**

1.Suresh Babu, K., Ram Babu, C. h., Baratha Jyothi, N., & Sunita, K. (2014). A retrospective study on status of CD4 counts and effect of ART in patients attending VCTC of MGM Hospital, Warangal, Andhra Pradesh, India. *IOSR Journal of Nursing and Health Science*, *3*(6), 25–35. http://www.iosrjournals.org

2.Suresh Babu, K., Ram Babu, C. h., Baratha Jyothi, N., & Sunita, K. (2014). A study on socio-demographic profile and status of HIV/AIDS patients under antiretroviral therapy (ART) visiting VCTC at MGM Hospital, Warangal, Andhra Pradesh, India. *International Journal of Basic and Applied Medical Sciences*, *4*(3), 135–145. http://www.cibtech.org/jms.htm

3.Sunita, K., Baratha Jyothi, N., Ram Babu, C. h., Somaiah, K., & Suresh Babu, K. (2014). Profile of children and adolescents tested HIV positive in ART centre, Government General Hospital, Vijayawada, Krishna district, Andhra Pradesh, India. *International Journal of Basic and Applied Medical Sciences*, *4*(1), 404–409. http://www.cibtech.org/jms.htm

**2015**

4.Karra, S., Pothula, V. V. S., Naladi, B. J., & Kanikaram, S. (2015). Acute toxicity of phenthoate (50% EC) on survival and behavioral pattern of freshwater fish *Labeo rohita* (Hamilton, 1822). *International Journal of Fisheries and Aquatic Studies*, *2*(6), 38–42.

5.Naladi, B. J., & Kanikaram, S. (2015). A report on mortality cases of HIV infected children attending Govt. General Hospital, Vijayawada, Andhra Pradesh, India. *International Journal of Medical and Applied Sciences*, *4*(2), 43–51.

**2016**

6.Naladi Baratha Jyothi, Pothula, V. V. S., Kochara Suresh Babu, & Kanikaram Sunita. (2016). Incidence of HIV-1 in vertically infected children tested at VCTC of Govt.

Government General Hospital, Krishna district, Andhra Pradesh, India. *World Journal of Pharmaceutical Research*, *5*(9), 1398–1407.

**2017**

7.Suresh Babu, K., Sunita, K., Baratha Jyothi, N., & Sravani, G. (2017). A report on mortality cases of HIV-1 infected adolescents and adults attending Govt. General Hospital, Guntur, Andhra Pradesh, India. *European Journal of Biomedical and Pharmaceutical Sciences*, *4*(6), 452–461. http://www.ejbps.com

8.Kochara Suresh Babu, Naladi Baratha Jyothi, & Kanikaram Sunita. (2017). Incidence of HIV-1 in adolescents and adults tested at VCTC of Government General Hospital, Guntur, Andhra Pradesh, India. *European Journal of Pharmaceutical and Medical Research*, *4*(6), 457–463. http://www.ejpmr.com

**2019**

9.Nitya Jeeva Prada, P., Vishnuvardhan, Z., & Baratha Jyothi, N. (2019). GC-MS identification of bioactive compounds from solvent extracts of *Diospyros ferrea* (Willd.) Bakh, leaf. *European Journal of Biomedical and Pharmaceutical Sciences*, *6*(9), 93–98. http://www.ejbps.com

**2021**

10.Sabeeha Begum, S. K., Baratha Jyothi, N., Tulasi, R., Sarala, R., & Sravani, G. (2021). A study on development and validation of RP HPLC method for the estimation of cefpodoxime in bulk and a pharmaceutical dosage forms. *Asian Journal of Advances in Medical Science*, *3*(4), 290–299.

**2022**

11.Tamma, K., & Baratha Jyothi, Dr. (2022). Prevalence of opportunistic infections in relation to CD4 count. *International Journal of Food and Nutritional Sciences*, *11*(10), 5718–5724. IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCESISSN PRINT 2319 1775 Online 2320 7876

12.Manisha, Dr., Baratha Jyothi, N., Kumar, B. A., Jayashree, I., & Geetha, D. H. (2022). Survey of critically endangered flora of Western Ghats of India. *Journal of Pharmaceutical Negative Results*, *13*(Special Issue 10), 6103–6108. https://doi.org/10.47750/pnr.2022.13.S10.754

13.Swapnavahini, K., Bora, M., Baratha Jyothi, N., Ramesh, T., & Manisha, Dr. (2022). Studies on effects of nitrogen and phosphorus on wheat crop growth and production. *Journal of Pharmaceutical Negative Results*, *13*(Special Issue 10), 6084–6089. https://doi.org/10.47750/pnr.2022.13.S10.752

14.Baratha Jyothi, N. (2022). Mucormycosis: Assessment of risk factors in a subject suffering from congenital haemophilia. *World Journal of Pharmacy and Pharmaceutical Sciences*, *11*(6), 22364–22372. https://doi.org/10.20959/wjpps20226-22364

**2023**

15.Pasumarthi, B., Annam, V., & Baratha Jyothi, N. (2023). A thorough overview of current developments in the creation of diagnostic parasitology assays based on aptamers. *International Journal for Innovative Engineering and Management Research*, *12*(5), 416–422.

16.Pravallika, K., Blessy, B., Japamalai, P., Baratha Jyothi, N., & Ramani, R. (2023). Autoimmune disease Guillain-Barre syndrome: A case report. *World Journal of Pharmacy and Pharmaceutical Sciences*, *12*(1), 1552–1558. https://doi.org/10.20959/wjpps20231-23968

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**2024**

19.Naladi, B. J. (2024). Regenerative medicine: Harnessing stem cells for tissue repair and regrowth. *African Journal of Biological Sciences*, *6*(10), 3638–3659. https://doi.org/10.33472/AFJBS.6.10.2024.3633-3637

20.Naladi, B. J., Pasumarthi, B., Tamma, K., Dongre, S. B., Pandit, R., & Magar, R. S. (2024). Associations between experienced HIV stigma, resulting consequences, and the HIV care: A case report. *African Journal of Biological Sciences*, *6*(10), 3633–3637. https://doi.org/10.33472/AFJBS.6.10.2024.3633-3637

21..Antony Prabhu Arachi, J. M., Naladi, B. J., Sathya Vedam, N., Tamma, K., & Sushma, M. (2024). An HIV-positive mother's child experiencing a cyanosis crisis: An economic burden. *International Journal of Food and Nutritional Sciences*, *13*, 560–567.

22.Akhter, S., Naik, V. K., Baratha Jyothi, Dr., & Lal, D. (2024). The ecological impact of pesticides on non-target organisms in agricultural ecosystems. *Advances in Bioresearch*, *15*(4), 322–334. https://doi.org/10.15515/abr.0976-4585.15.4.322334

23.Baratha Jyothi, N., Karuna Harika, B., Tamma, K., & Grace, K. (2024). Service learning: Menstrual hygiene practices in rural adolescent girls at Nidamanuru, ZPHS School, Vijayawada. *International Journal for Innovative Engineering and Management Research*, *13*(9). https://www.ijiemr.org

**2025**

24.Dutta, A. K., Srinivasulu, C. h., Sunanda, M., Vara Lakshmi, P., & Baratha Jyothi, N. (2025). Stem cell therapy in regenerative medicine: Current progress, challenges, and future prospects. *Journal of Neonatal Surgery*, *14*(6), 368–376.

25.Paripuranam, T. D., Patkar, S. G., Kothari, D., Makwana, B., Jyothi, N. B., & Thakur, S. (2025). Effects of pharmaceutical pollutants on aquatic life: Mechanisms and mitigation strategies. *International Journal of Environmental Sciences*, *11*(5), 770-781. https://theaspd.com/index.php

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**2026**

28.Suneetha, N., & Baratha Jyothi, N. (2026). Detrimental effects of pesticide pollution on aquatic organisms and human health. *International Journal of Scientific Research in Science and Technology*, *13*(11), 116–120. https://doi.org/10.32628/IJSRST26131114

29.Suneetha, N., & Baratha Jyothi, N. (2026). Foldscope, frugal science, and grassroots education: Bridging innovation and reform in Vikshit Bharat 2047. *International Journal of Research and Analytical Reviews*, *13*(2), 233–241. http://www.ijrar.org/IJRAR1EXP034.pdf

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