

CURRICULAM VITAE



PERSONAL PROFILE :-

E-mail: ruby.glory1@gmail.com

Phone no : 9864967308, 7086730809

NAME:	DR. RUBY DOLEY
DATE OF BIRTH:	24/09/1988
GENDER:	FEMALE
MARITAL STATUS:	MARRIED
CASTE:	ST(P)
RELIGION:	HINDUISM
NATIONALITY:	INDIAN
HUSBAND'S NAME:	RAHUL RATNAM PATIR
FATHER'S NAME:	TANKESWAR DOLEY
MOTHER'S NAME:	NRIBENI DOLEY
HUSBAND'S DESIGNATION:	NEW INDIA ASSURANCE (Deputy Manager)
FATHER'S DESIGNATION:	RETIRED SBI CHIEF MANAGER
MOTHER'S OCCUPATION:	HOUSE WIFE

PERMANENT ADDRESS :-

C/O, PRABHAT CHANDRA PATIR

GMC H.No.-3, SONAIGHULI, NEAR SONOWAL BAITHOW THAN

P.O. SAWKUCHI

GUWAHATI- 781040, ASSAM

PRESENT ADDRESS:-

C/O PRABHAT CHANDRA PATIR

GMC H.No.-3, SONAIGHULI, NEAR SONOWAL BAITHOW THAN

P.O. SAWKUCHI

GUWAHATI- 781040, ASSAM

ACADEMIC PROFILE :- M.Sc (BOTANY), M.Phil , Ph.D., SLET, NET.

➤ **M.Sc. (Botany), specialization in Angiosperm Taxonomy.**

➤ **M. Phil. in Botany (2015)**

Thesis Title: “Ethnobotanical studies on Garbhanga area Kamrup (Rural)”

Guide: Prof. Nilakshee Devi, Gauhati University

➤ **Ph.D. in Botany (2023)**

Thesis Title: “Degradation of Aromatic Hydrocarbons by Native Bacterial Species”

Guide: Dr. Manoj Barthakur, Associate Professor, B.Borooah College.

Under Gauhati University

➤ **Qualified State Level Eligibility Test for Lectureship (SLET) in Lifesciences, 2014.**

➤ **Qualified National Eligibility Test (NET) for Lectureship in Lifesciences, 2016.**

AREAS OF INTEREST:-

- **ANGIOSPERM TAXONOMY**
- **MICROBIOLOGY AND PLANT PATHOLOGY**
- **BIODEGRADATION OF ENVIRONMENTAL POLLUTANTS WITH SPECIAL REFERENCE TO AROMATIC HYDROCARBONS**
- **ECOLOGY**
- **ETHNOBOTANY**

PUBLICATION OF PAPERS:

Research Papers:

1. Doley, R., Barthakur, M., Goswami, B.S. (2017). **Microbial Degradation of Aromatic hydrocarbon: Naphthalene through *Nocardiopsis alba* RD3.** *International Journal of Current Microbiology and Applied Science*, **6(7)**: 1174-1181. ISSN: 2319-7706.2017. [peer-reviewed journal]
<https://doi.org/10.20546/ijcmas.2017.607.142>
2. Doley, R., Barthakur, M. (2018). **Biotransformation of aromatic hydrocarbon: Naphthalene to Aliphatic Hydrocarbons through *Staphylococcus pasteurii* RD2.** *Annals of Plant Sciences* 7.5 (2018) pp. 2247-2250. ISSN: 2287-688X. [UGC-Care list (as on 28th December, 2017 till 2018)]
<http://dx.doi.org/10.21746/aps.2018.7.5.7>
3. Doley, R., Barthakur, M. (2020). **Microbial degradation of naphthalene through *Bacillus cereus* RD6 isolated from refinery oil sludge.** *Pollution Research*. **39**: S166-S172. ISSN:0257-8050. [SCOPUS Till 2021]. doi:
http://www.envirobiotechjournals.com/article_abstract.php?aid=10868&iid=319&jid=4
<http://www.resurchify.com/impact/details/24741>
4. Doley, R., Barthakur, M. (2023). **Microbial degradation of Toluene and Xylene by a newly isolated native bacterial strain *Bacillus subtilis* RD20.** *Indian Journal of*

Environmental Protection. 43(8): 675-685. ISSN: 0253-7141 [SCOPUS; Impact Factor 0.11]. DOI: <https://www.e-ijep.co.in/43-8-675-685/>

5. Doley, S. N., Doley, R., Tayung, K., & Barthakur, M. (2026). **Antibacterial and Phytochemical Properties of Selected Ethnomedicinal Plants Used by the Mising Tribe Inhabiting Forest Fringe Villages of Nameri National Park, Assam, India.** *Journal of Natural Remedies*, 26(3), 763–771. [SCOPUS; Impact Factor 0.4] <https://doi.org/10.18311/jnr/2026/53543>
6. Satya N, Ruby D, Manoj B. (2026). **Ethnomedicinal plants of Assam, India: A review on bioactive metabolites, therapeutic potential and future perspectives.** *Plant Science Today*. 13(2): 1-16. [SCOPUS; Impact Factor 0.8] <https://doi.org/10.14719/pst.12927>
7. Satya N, Ruby D, Manoj B. (2026). **Quantitative documentation of ethnomedicinal plants used by Mising Tribe inhabiting the forest fringe villages of Nameri National Park, Assam, India.** *Asian Journal of Ethnobiology*. [Q2 Journal]. 9(1). <https://doi.org/10.13057/asianjethnobiol/y090121>

Book Chapters:

1. Chapter 34, “Microbial Degradation of Monoaromatic Hydrocarbon, Toluene through *Nocardiosis alba*”. *Bioluminescence: Annual Biological Communication*, EBH (Eastern) Publications (India), Vol. I (2020). ISBN: 9789388881906 (355-364).
2. Chapter 35, “Microbial Transformation of Aromatic Hydrocarbon, Naphthalene to medium and long chain hydrocarbons through *Staphylococcus pasteurii*”. *Bioluminescence: Annual Biological Communication*, EBH (Eastern) Publications (India), Vol. I (2020). ISBN: 9789388881906 (365-373).
3. Chapter 10, “A review on microbial degradation of xylene” in *Advances in Scientific Approach for Sustainable Development*, AkiNik Publications (New Delhi), 1st edition (2021). ISBN: 978-93-91538-67-5. (pp 110-122). Doi: <https://doi.org/10.22271/ed.book.1361>.

4. Chapter 8, “**Exploring Indigenous Knowledge: The Dumurali Karbis of Mainakhurung Village, Garbhanga, Kamrup (Rural), Assam**”, **Frontiers on Recent Developments in Plant Science, 1st Edition (2025), (pp 97-110). Mahaveer Publications (Dibrugarh), Assam. ISBN: 978-93-48070-78-4.**
5. Chapter 17, “**Spatio-Temporal Dynamics of Wetland Diversity in Assam, India**” in A Compendium of Biodiversity of Assam, (2026) pp 252-. **ISBN: 978-81-999381-99.**
6. Chapter 3, “**Hydrophytes and the wetland Ecology of North Guwahati, Assam, India**” in Empirical Path: tradition and the Advancement of Technology (2026). (pp. 42-55). Global Net Publication (Guwahati), Assam. ISBN: 978-93-6761-017-6.

SEMINAR PAPER PRESENTATIONS:

International: 05; National: 01; Regional: 01

1. Presented paper on “**Naphthalene biodegradation by *Staphylococcus pasteurii* RD2 strain isolated from oil contaminated soil**” in **XI International Geographical Union Commission Seminar-Focal theme: Environment and Sustainable Livelihood**, organized by Department of Geography, B.Borooah College during 8-10 February, 2018.
2. Presented paper on “**Xylene biodegradation by *Nocardiopsis alba* RD3 strain**” in the **Regional Seminar on Science for Sustainable Development (SSD-2019)** organized by Dept. of Chemistry, B.Borooah College in association with Assam Science Technology and Environment Council, Dept. of Science & Technology, Govt.of Assam on 09/01/2019.
3. Poster presented on “**Biotransformation of Naphthalene to Aliphatic hydrocarbons through *Bacillus cereus* RD6**” in **Assam Botany Congress (ABC-01) and International Conference on Plant Science** held in the Department of Botany, Gauhati University and Department of Botany, Cotton University during 4-6 February, 2019.

4. Presented paper on **“Exploring the rich floristic diversity of Dirgheswari in Kamrup, Assam, India”** in the International Conference on **“Emerging Frontiers in Biological Sciences: Focus on Climate Change, Agrotechnology and Entrepreneurship” (ICEFBS)** organized by the Department of Botany, USTM in collaboration with Bodoland University and Botanical Society of Assam held on **15th to 17th May, 2024**.
5. Presented paper on **“Taxonomic studies of *Ficus auriculata* & *Ficus racemosa*: A culinary traditions of the Mising tribe of Assam, India”** in the National Seminar on **“Biodiversity for Sustainable Future with special focus on Plant Taxonomy and Annual Conference of east Himalayan Society for Spermatophyte taxonomy (EHSST)”** organized by Department of Botany, Gauhati University on **27th & 28th September, 2024**.
6. Presented paper on **“Solubilisation of Rock Phosphate (P₂O₅) by some isolated bacteria from Tea agroecosystem under in vitro condition”** in the International Conference on **“Indian Knowledge System for achieving Sustainable Development Goals (SDGs)”** organized by Centre for Indian Knowledge System, Bongaigaon College (University of Bongaigaon), Bongaigaon on **24th & 25th January, 2025**.
7. Presented paper on **“Ethnomedicinal plants used by Mising tribes of Nameri forest fringe villages of Assam and their prospect for discovery of novel therapeutic agents”** in the International Conference on **“Indian Knowledge System for achieving Sustainable Development Goals (SDGs)”** organized by Centre for Indian Knowledge System, Bongaigaon College (University of Bongaigaon), Bongaigaon on **24th & 25th January, 2025**.
8. Presented paper on **“Naphthalene-Degrading Potential of Indigenous *Bacillus cereus* RD6 Isolated from Refinery Oil Sludge”** in the Indo-Bhutan Two-Day Symposium On Biodiversity, Climate Change, Food Security and Holistic Well-Being Organized by Department of Botany, Gauhati University & Department of Natural Sciences Sherubtse College, Royal University of Bhutan In collaboration with Committee for Student Exchange Gauhati University held on **25 – 26th September, 2026**.

Workshop attended:

- **3-Days Online Foundation Course on “Biostatistics in R”, organized by Department of Botany, Gauhati University, held from 1/06/2020 to 3/06/2020.**
- **1 Week workshop on “Skill development and Career opportunities’ in Biological Sciences”, organized by department of Botany and Zoology, B.Borooah College, Guwahati, held from 19/07/2021 to 24/07/2021.**
- **2 Days Workshop on “Rare, Endangered and Threatened (RET) Plants” organized by the Dept. of Botany, North Gauhati College, supported by Assam Science Technology & Environment Council (ASTEC), Govt. of Assam and Science Technology & Climate Change Department, Govt. of Assam, held on 5th & 19th October, 2024.**
- **Participated in the faculty Training Workshop on Indian Knowledge System (IKS) organized by Siddhanta Knowledge Foundation, a recognized IKS Shikshak Prashikshan Kendra of the IKS Division of the Ministry of Education, held on 09/04/2025.**

Orientation Programme:

- **Participated in the UGC sponsored 130th Orientation Course (Offline) organized by HRDC, Pondicherry University held from 20/11/2019 to 10/12/2019.**

Faculty Development Programme/Short Term Course

- **2 Weeks Online Faculty Development Programme on “Research Methodology” organized by Teaching Learning Centre, Ramanujan College, University of Delhi, from 1/10/2020 to 15/10/2020.**
- **Participated in the 1 Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organised by the Internal Quality Assurance Cell (IQAC) of Gauhati University, Assam in association with IPSR Solutions Limited, from 17 April 2024 to 24 April 2024.**
- **Participated in the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by MMTC, Gauhati University from 05/02/2025 to 14/02/2025.**

- Participated in the 1 Week Faculty Development Program on “**Integrative approach to Plant Taxonomy-Hands on Training from Field work to Modern Trends in Taxonomy**”, organised by Programme of Botany, Faculty of Science, Assam Down Town University, from **26 May 2025 to 31 May 2025**.

Refresher courses:

- **2 Weeks Online Refresher Course in “Life Sciences”** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, in collaboration with Miranda House, University of Delhi from 1/09/2021 to 15/09/2021.
- **2 Weeks Online Refresher Course in “Life Sciences”** organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Malaviya Mission Teacher Training Programme, from 28/02/2024 to 13/03/2024.

PRESENT STATUS:-

- **Working as an Assistant Professor in the Department of Botany, North Gauhati College, Guwahati-78103, from 11/04/2018 till date.**

DECLARATION

I vouch for the authentication of the above mentioned facts.

Place: Guwahati

Date: 07. 08. 2026

(DR. RUBY DOLEY)