

## **Bio-Data**

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**Fathers name** : SJT. DEVA KUMAR GOGOI

**Gender** : Female

**Citizenship** : Indian

**Marital status** : Married

**Permanent address** : C/O Mr. Manik Chandra Panyang, Vill: Ubhata champara  
P.O.Mornoi bebejia, Pin-787055,Dist: Lakhimpur, Assam.

**Contact numbers** : 07002686367 and 08473074772

**Languages known** : Assamese, Hindi, English

**Educational Qualification** : M. Sc (Botany) Ph.D

**Ph. D.** from Dept. of Biotechnology, Gauhati University on the topic “Study of Biochemical and Related Parameters of some Coalmine Wasteland Tolerant Plant Species and Assessment of Their Phytoremediation Efficacy”.

**Computer Knowledge** :

Certificate in Computer Programming (MS-DOS, Word processing, Windows, MS- Word, MS- Excel, MS- Power Point, Adobe PageMaker, Adobe Photoshop and Internet).

**Academic activities - seminars and conferences attended:**

1. Attended National Seminar On Current Trends in “Crop Disease Management for Improving Productivity” organized by North-East Institute of Science and Technology (formerly Regional Research Laboratory) Jorhat, Assam in association with Indian Phytopathological Society, New Delhi (Eastern Zone) on 19 & 20 January, 2006.

2. Participated in workshop on “Bioinformatics and its Future Prospects” organized by Department of Botany, Gauhati University and DOEACC Centre Guwahati/Tezpur, Ministry of Communication & Information Technology, Govt of India on 9<sup>th</sup> of June, 2006.

3. Participated International Conference on “Biodiversity, Environment and Sustainability Challenges for Future” held in September 2008 at University of Delhi, Alipur, Delhi-36, India and presented a paper on the topic “ Decrease of the Effect of Acid mine Drainage on Seedling Development of *Sesbania rostrata* by Co-Inoculation of beneficial Rhizobacteria”.

4. Participated National Seminar on “Exploration Utilization and Strategy Action Plan for Sustainable Management of Plant Resources” held in February 27<sup>th</sup>-28<sup>th</sup> ,2009 organized by Department of Botany, Gauhati University, Guwahati, Assam and presented a paper on the topic “ The Effect of Mine OB abiotic stress on Growth of Two Vegetable Plants”.

5. Participated UGC sponsored National Seminar on “Bio Resources, Its Utilization and Conservation with Special Reference to North East India” held in 26<sup>th</sup> and 27<sup>th</sup> June 2014 organized by Department of Zoology, Silapathar Science College, Silapathar Dhemaji, Assam and presented a paper on the topic “Phytoremediation: A method of soil reclamation”.

**Publications :**

**Book published**

1. Deka Boruah H.P., Handique A.K., **Gogoi J.**, “Eco-restoration of high sulphur coalmine overburden wasteland, A case study report on North East India” LAP Lambert Academic Publishing GmbH & Co. KG.

**Book Chapter Published:**

1. **Gogoi J.**, (2020) “Opencast coalmining and Its Impact on the Environment with Special Reference to North East India, Kimadhikamati. Majuli College Publication Division. pp.138-147.

**SCI Journal** :

1. Deka Boruah H. P., Rabha B. K., Pathak N., **Gogoi J.**, (2008) “Non-uniform, patchy stomatal closure of a plant is a strong determinant of plant growth under stressful situation”. *Current Science*, 94, 1310-1314.
2. Dowarah J., Deka Boruah H.P., **Gogoi J.**, Pathak N., Saikia N., Handique A.K., (2009) “Eco-restoration of a high-sulphur coal mine overburden dumping site in northeast India: A case study”. *J. Earth Syst. Sci.* 118, No 5, 597-608.
3. Gogoi J., Pathak N., Duarah I., Deka Boruah H.P., Saikia N., Handique A.K., (2011) “Microbial activity in high-sulphur reclaimed coal mine overburden sites”. *Soil and Sediment Contamination*, 21, 42-50.

**Proceedings:**

1. **Gogoi J.**, Bora A., (2014) “Some ethno-medicinal plants of Assam used in tribal medicine: A review”. UGC Sponsored National Seminar. 99-103.
2. **Gogoi J.**, Pathak N., Saikia N., Deka Boruah H.P., Handique A.K., (2009) “Physiological response of *Sesbania rostrata* grown in mine overburden amended with different manure”. The 9<sup>th</sup> International Conference of The East and South Asia Federation of Soil Science Societies, 84-85.
3. Pathak N., **Gogoi J.**, Dowarah I., Deka Boruah H.P., Handique A.K., (2009) “Phytostabilization of high sulphur containing coalmine overburden dumps in rain fed ecosystem of Northeast India”. The 9<sup>th</sup> International Conference of The East and South Asia Federation of Soil Science Societies, 477.
4. Deka Boruah H.P., Saikia N., **Gogoi J.**, Pathak N., Handique A.K., (2008) “Eco-physiological analysis of vernacular plant species used for ecosystem recovery of coalmine overburden dumping site”. International Conf. On Biodiversity Environment and Sustainability: Challenges for Future, 105-111.
5. Pathak N., **Gogoi J.**, Deka Boruah H. P., Handique A. K., (2008) “Evaluation of stress response of *Gmelina arborea* to coalmine overburden stress”. International Conf. On Biodiversity Environment and Sustainability: Challenges for Future, 129-136.

6. **Gogoi J.,** Deka Boruah H.P., (2008) “Evaluation of top layer refilling with un-mined soil for remediation of high sulphur containing coalmine overburden” International Conf. on MPT, 394-398.

7. **J Gogoi.,** Pathak N., Dowarah J., Deka Boruah H.P., (2007) “In situ selection of tree species for environmental restoration of opencast coalmine wasteland”. International Conf. on MPT, 678-681.

**Abstracts :**

1. **Gogoi J.,** Deka Boruah H.P., Pathak N., Saikia N., Handique A.K., (2009) “Coalmine overburden stress on changes of some biochemical parameters of three legumes”. 78<sup>th</sup> Annual Meeting, Society of Biological Chemists (India), 57.

2. **Gogoi J.,** Pathak N., Deka Boruah H.P., Saikia N., Handique A.K., (2009) “The effect of mine over burden (OB) abiotic stress on growth of two vegetable plant”. National Seminar on Exploration, Utilization and Strategy action plan for sustainable management of plant resources.

3. Pathak N., Deka Boruah H.P., **Gogoi J.,** Handique A.K., (2009) “Super oxide dismutase activity and some physiological response of Cassia Dhaincha, Gomari and Titachapa towards coalmine stress”. National Seminar on Exploration, Utilization and Strategy action plan for sustainable management of plant resources.

4. Deka Boruah H.P., **Gogoi J.,** Pathak N., Handique A.K., (2008) “Environmental impact in and around Tirap Collieries of Assam; A case study”. Souvenir NEERI, Nagpur, pp 50.

5. Pathak N., Deka Boruah H P., **Gogoi J.,** Handique A K., (2008) “Evaluation of impact of coalmine effluent stress on the performance of Cassia and Dhaincha sp” Souvenir NEERI, Nagpur, pp-64.

6. **Gogoi J.,** Deka Boruah H P., Pathak N., Handique A K., (2008) “Assesment of impact of trace and heavy metal content in eco-restoration of coalmine overburden dumping sites of Assam. Souvenir NEERI, Nagpur, pp-64.

7. **Gogoi J.,** Pathak N., Deka Boruah H. P., (2006) “Nature of growth and development of tree species grown in coalmine rejects in biodiversity maintenance”. All India Seminar on Ecology, Environmental Management in developing countries, Organised by Indian Institution of Engineers, Agartala Local Center.

8. Pathak N., **Gogoi J.**, Gohain R., Deka Boruah H.P., (2006) "Biodiversity prospecting for phytoremediation of coalmine tailing dumping sites in the environment". Value addition to Bioresources of NE, India, Post Harvest Technology and Cold Chain, Gauhati University, Assam.

**Other Academic activities -**

Webinar attended: 19

Workshop attended (FDP) : 05

Webinar conducted: 01

1. "Environmental Status of Majuli District and It's Conservation Strategies", Organized by Dept. of Botany, in collaboration with IQAC, Majuli College. Resource Person Sri Debajit Phukan. 25<sup>th</sup> Aug, 2020.