

CURRICULUM VITAE

Debajit Kalita, PhD, FAELS

Young Scientist Awardee



Present Address:

Assitant Professor
Department of Microbiology
Assam Royal Global University
Betkuchi-781035, Guwahati, Assam

Permanant Address

C/o Lt. Bhagi Ram Kalita.
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Objective

To be associated with an organization at a position that provides the platform to improve my skills and hence contribute to the growth of the organization.

Academic Qualification

- Ph.D. (Dec. 2014- Nov. 2019) (Environmental Microbiology) North –Eastern Hill University (NEHU), India.
- M.Sc. (Microbiology) - Bangalore University, Karnataka, India.
- B.Sc. (Botany)- Gauhati University, Assam, India
- Post Graduate Diploma in Environmental Management (PGDEM) - Tezpur university, Assam, India.
- Principle of occupational health and challenges of industrial disaster – Oxford University, UK.
- Certificate in Environmental Studies (CES) – IGNOU, India.
- UN CC: Introductory Course in Climate change – UNITAR and United Nation Organization (UNO).
- Managing Safety and Health in the Science Laboratory – Health and Safety Authority (HSA), Ireland.
- Certificate in Six Sigma course (White Belt) – MSI, USA.

Teaching experience (19 Months)

- Was engaged as a Contractual faculty in Department of Botany, Morigaon College, Morigaon.

Paper taught - Plant microbiology and biotechnology, Environmental microbiology.

- Working as Assistant Professor, Department of Microbiology, Assam Royal Global University, Betkuchi-781035, Guwahati, Assam.

Paper taught (320 Credit)– Fermentation technology, Industrial Microbiology, Agriculture Microbiology, Environmental Microbiology, Basic Microbiology.

Corporate and Government experience

1. Employed as **FACS Operator** (Flow Cytometry) in Becton Dickinson Pvt. Ltd.

Performance: Maintenance of Flow Cytometry instrument, experiment design, data analysis, Arrangement of workshop for flow cytometry.

2. **Project Manager** (Research and Development)- UNISED, Deptt. Of CSE, IIT Kanpur.

Performance: Development of school science experiment kits, demonstration and workshop.

3. **Project Coordinator** (Assam State Biodiversity Board) – Department of Environment and Forest, Government of Assam,

Performance: Project coordination, data collection and management, BMC formation, TSG formation, resource management, travelling.

Academic Research Experiences

- As Project Fellow in the **II&SI** Project entitled "**UNISED-RAA assessment in Arunachal Pradesh**" Centre for Energy, IIT Guwahati.
- As JRF from June, 2014 to March 2016 "**Assessment and conservation of microbial biodiversity in Sacred Groves with special reference to plant growth promoting *Bacillus* and related genera as influenced by environmental degradation**" in Microbiology Laboratory, Department of Biotechnology & Bioinformatics, NEHU, Shillong.
- As Project Fellow from June, 2011 to June, 2014 on "**Search for novel treatment for snake venom poisoning: protein composition analysis of *Naja Naja* and *Daboia Russelli* venoms and complete characterization of their major toxins (Proteins)**" in Molecular Toxinology Laboratory, Department of Molecular Biology and Biotechnology (MBBT), Tezpur University, Napaam, Tezpur-784028, Assam, India.
- 8 years research experience in BSL1 and BSL2, handling of pathogenic and non- pathogenic bacterial strains in microbiological research laboratory.

Organization	Designation	Nature of duty	From	To	Year of Experience (MM/YR.)
Morigaon College	Lecturer	Teaching of Microbiology paper (V Semester)	01.01.2011	29.06.2011	5
Tezpur University	Project Fellow	Research, data management, data analysis	30.06.2011	28.06.2014	36
North-Eastern Hill University	Junior Research Fellow	Research, data Analysis & Management, Manuscript preparation	01.07.2014	30.07.2016	24
	Senior Research fellow	Molecular biology, PCR and Gene Identification, bioremediation, nanobiotechnology etc	01.07.2016	30.06.2017	12
Beckton-Dickinson India Private Limited	FACS Operator	Instrument operation and maintenance, analysis of data, research design	07.05.2018	03.12.2018	7
IIT Guwahati	Project Fellow	Data Analysis & Management, Project Management	18.05.2021	17.09.2021	4
Assam State Biodiversity Board	Project Coordinator	Project coordination, data collection and management etc.	01.05.2022	30.10.2022	6
Assam Royal Global University	Assistant Professor	Teaching and Research	07.10.2022	-	13

Roles and Responsibility

Departmental portfolio as coordinator

Alumni Committee, Departmental Research Committee, Student Research Committee (SRC) and Placement Cell.

Institutional portfolio as Board Member

Intuitional Incubation Centre,

FDP/Refresher Course/Orientation course

- Online weeklong faculty development program on implementation of NEP 2020 in higher education institutions, Organized by TLC, Tezpur University, from 26th April – 02nd May, 2023.

Special technical skills (Microbiology, Molecular Biology & Nanotechnology) and sophisticated instruments operated

- Isolation and characterization (morphological, biochemical and 16Sr RNA) of extremophilic bacteria.
- Isolation and characterization of exopolysaccharide and their components analysis through FTIR, GC-MS, LC-MS from extreme environment bacteria.
- Bioinformatics Tools: Database search (GenBank-NCBI, EzTaxon, Ribosomal Database Project), Alignment Tools (NCBI-BLAST, CLUSTAL –W, MEGA etc.) Sequencing and analysis of 16Sr RNA chromas and phylogenetic tree for molecular identification through MEGA software.
- PCR (gradient and hot start techniques) identification of Pbr, Ars, PIB operon, RND operon system in multi metal resistance extremophyles, Purification and characterization of metal resistance protein by HPLC, PAGE (Tricine & Glycine), Western blotting.
- Hydrothermal synthesis and bio-fabrication of nanoparticles, characterization (SEM, TEM, XRD, FTIR, Raman, Particle size determination etc) and co-entrapment, photo-catalysis, deep-coating process.

Selected research publications

1. **Kalita D.** and Joshi S.R. (2017) Study on bioremediation of Lead by exopolysaccharide producing metallophilic bacteria isolated from extreme habitat. Biotechnology reports, 16 : 48-57. (<https://www.ncbi.nlm.nih.gov/pubmed/29167759>).
2. Lyngwi N., Nangkhlow M., **Kalita D.**, Joshi S.R. (2016) Bioprospecting of Plant growth promoting bacilli and related genera prevalent in soils of pristine sacred groves: Biochemical and molecular approach. PLoS ONE, 11(4):e0152951. Doi: 10.1371/journal.pone.0152951. (<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0152951>).
3. **Kalita D.** and Dr. Baruah, P.K.(2013) “Isolation and characterization of PCP degrading bacterial strains of paper mill effluent of Morigaon district, Assam.” Res. J. of Contemporary Concern, 8, 82-87, India.
4. M.M. Phukan, R.S. Chutia, R.Kumar, **Kalita D.**, B.K. Konwar and R. Kataki (2013) “Assessment of antimicrobial activity of bio-oil from *Pongamia glabra* VENT (Koroch), *Mesua ferrea* L. (Nahar) and *Parachlorella* spp deoiled cake”, Int. J. of Pharm. and Biol. Sc. (USA), 4(4): 910 - 918. (<https://www.cabdirect.org/cabdirect/abstract/20143080333>)
5. **Kalita D.**, Saikia J., Doley R. and Mukherjee, A. K. (2014), “An ethanomedicinal survey of traditionally used medicinal plants for the treatment of snakebite patients in Morigaon district of Assam, North-East India”. Int. J. Med Arom. Plants., 4(2), 97-106. (http://www.openaccessscience.com/pdffiles/vol4_2_jun2014/IJMAP_4_2_4_Morigaon_assam.pdf)

6. Pathak MJ, Verma TK, **Kalita D.** Sankari D. (2012), Antimicrobial properties of marine bacteria isolated from the Bay of Bengal and their pharmaceutical prospects as antibiotics against multi-drug resistant pathogens., International Journal of Pharmacy and Pharmaceutical Sciences, 4 (4): 260-263. (<http://www.ijppsjournal.com/Vol4Issue4/4903.pdf>)
7. **Kalita D** and Saikia J.C.(2012) “Ethnomedicinal, Antibacterial and Antifungal Potentiality of *Centella asiatica*, *Nerium indicum* and *Cuscuta reflexa* - Widely Used In Tiwa Tribe of Morigaon district of Assam, India.” Int. J. of Phytomedicine. 4(3):380-385. 2012. (<http://www.arjournals.org/index.php/ijpm/article/view/642>)
8. **Kalita D.**, Dr. Bharthi, S. and Saha J. (2012), “Ethno botanical, antifungal and antibacterial study of three medicinal plants of Morigaon district of Assam, India.” Asian Journal of Pharmacy and Biological Research, 2(4): 234-239, 2012.
9. **Kalita D.**, Jagat Ch. Saikia, Ambarish. S. S., and Anmol. G.K. (2012), “Antimicrobial Activity of leaf extract of two medicinal plants of Boghora hill (Morigaon) Assam against human and plant pathogens”. The Bioscan, 7(2) : 271-274.
10. **Kalita D.** and Joshi S.R. (2019) Bio-, bio-derived and biosynthesized materials for remediation of heavy metals and dye from wastewater, ACS chemistry review (Submitted).
11. **Kalita D.** and Joshi S.R. (2020) An improved technique of co-entrapment of nZVI and metallophilic bacterium under mesoporous envelop for remediation of heavy metals. RSC Environmental: Water research and technology (Submitted).

Patent filed & Process

1. A method of production of Lead removing bacterial bioflocculant from *Arthrobacter nicotinovorans* and using it to treat wastewater (Application number is **201731043111**).
2. Development of Microbial based dye removal filter (Application number is **346P2110**).
3. Process development of microbial secondary metabolites for organic agriculture and product thereof (Application process with KIIT, Bhubaneswar).

Book Chapters

1. S.R. Joshi, **Debajit Kalita**, Macmillan Nongkhlaw, Pynskhem Swer and Rakshak Kumar (2014) “**Metal-microbe interaction and bioremediation**”, DOI 10.1007/978-3-319-07665-2_12, ed. Radionuclide Contamination and Remediation Through Plants, Dr. Dharmendra Kumar Gupta and Clemens Walther, ISBN 978-3-319-07664-5, Springer, Switzerland, Pg.- 235-251. https://link.springer.com/chapter/10.1007/978-3-319-07665-2_12
2. S.R. Joshi and **Debajit Kalita** (2017) “**Biological, chemical and nanosorption approaches in remediation of metal wastes**”. Remediation Measures for Radioactively Contaminated Areas. (Ed: Dharmendra Kumar Gupta and Anna Voronina, ISBN 978-3-319-733975-5, Springer, Switzerland, Pg.- 93-112. https://link.springer.com/chapter/10.1007/978-3-319-73398-2_5
3. S.R. Joshi and **Debajit Kalita** (2020) “**Bioderived and Bioconjugated Materials for Remediation of Heavy Metals and Dyes from Wastewater**”. Recent Trends and Innovations in Sustainable Treatment Technologies for heavy metals, dyes and other xenobiotics (Ed.: Biswanath Bhunia), Bentham Science, UAE (Submitted)
4. Nirmala Akoijam **Debajit Kalita** and S. R. Joshi (2022) “**Bacteria and their industrial importance**”. Industrial microbiology and biotechnology (Ed: Pradeep Verma), Springer, Switzerland. DOI: https://link.springer.com/chapter/10.1007/978-981-16-5214-1_2
5. MM Phukan, **Debajit Kalita**, P. Bora, PP. Das, Manoj K., SR Sangma, I, Jamir, DK Verma, and Sundaram K. (2021). “**Alkaloid and Terpenoids: Classification, Isolation, Purification, Synthesis and Applications**”. Alkaloid and Terpenoid (Ed.:), Springer, Switzerland (In Press).
6. MM Phukan, **Debajit Kalita**, P. Bora, PP. Das, Manoj K (2021) “**Application of Biosurfactant in food sector**” **Next Generational Biosurfactant and their practical Application in food sector** (Ed. Inamuddin and Charles Oluwaseum Adetunji), Elsevier, Amsterdam, Netherlands (Submitted).

7. **Debajit Kalita** (2022) “Nano-Biotechnological approaches for sorption of metals from waste” ed. **Biotechnological Innovations in the Mineral-Metal Industry**” (Editor: Dr. Sandip Panda, Dr. Srabani Mishra, Prof. Ata Akcil & Prof. Eric D van Hullebusch), Springer, Switzerland (Submitted).
8. **Debajit Kalita**, Hiranjyoti Deka, Nabanita Hazarika, Puranjay Mipun (2022) **Habitats and Distribution of the medicinal plants**, Ed. **Phytochemicals in Medicinal Plants: Biodiversity, Bioactivity and Drug Discovery**, (Editors : Dr. Charu Arora, Dr. Dakeshwar Kumar Verma, Dr. Jeenat Aslam, Dr. Pramod Kumar Mahish) Walter de Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany (ISBN 9783110791761).
9. SR Sangma, **Debajit Kalita**, MM Phukan, Nabanita Hazarika, PP. Das, (2022) **Essential oil and their constituents**, Ed. **Phytochemicals in Medicinal Plants: Biodiversity, Bioactivity and Drug Discovery**, (Editors : Dr. Charu Arora, Dr. Dakeshwar Kumar Verma, Dr. Jeenat Aslam, Dr. Pramod Kumar Mahish) Walter de Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany (ISBN 9783110791761).
10. Sanchayita Rajkhowa, Pardeep Singh, Atrayee Banaspati, Nirupamjit Sarmah, Jyotirmoy Sarma and **Debajit Kalita** (2023) **Current status and future scope of nanomaterials in food production: toxicological and risk assessment**, Ed. Nanotechnology and Nanomaterial in the Agri- Food Industries, Ed: Pradeep Singh, Puja Khare, Disha Misra, Muhammad Bilal, Mika Silanppa; Elsevier, Netherland, ISBN: 978-0-323-99682-2;
11. Akankhya Hazarika and Debajit Kalita (2023) **Organic Micro-Pollutants: Origin and Occurrence in the Environment**; Ed. Organic Micropollutants in the Aquatic and Terrestrial Environments” Ed. Amarjyoti Kalita, Sanchayita Rajkhowa, Springer, Switzerland (Submitted).
12. Pranay Punj Pankaj, Mayur Mausoom Phukan, Samson Rosly Sangma, **Debajit Kalita**, Nabanita Hazarika (2023) **Newer Frontiers in Biomass Conversion and Utilization**, Ed. Biomass and Products, ; Elsevier, Netherland (Submitted)

Selected abstract/Proceeding Publications (National/International Conferences)

1. **Kalita D.** and Joshi S.R.(2017), “Arsenic bioremediation from water by multi-metal resistant *Paenibacillus jamilae* isolated from uranium rich subsurface soil”, FEMS 2017 : 7th Congress of European Microbiologist held in Valencia, Spain. Abstract No. FEMS7-0060.
2. **Kalita D.** Bezbaruah A.N. Baruah S. and Joshi S.R.(2017) “Co-entrapment of ARB with NZVI nanoparticles for bioremediation of arsenic from groundwater”, International conference on advances in nanotechnology, organized by Assam Don-Bosco University, Guwahati, Assam, India. Abstract No. – 61.
3. **Kalita D.** and Joshi S.R.(2016), “Adherence profile of a metallophilic extremophile *Providencia* species isolated from sediments of sulfur rich Hot Water Springs of Assam” 57th Annual conference cum international symposium of Association of Microbiologists of India (AMI), on “Microbes and Biosphere; What’s New What’s Next” in Gauhati University, Assam, India. Abstract No. EM-22.
4. **Kalita D.** and Joshi S.R.(2014), “Lead(Pb) tolerance by aerobic bacteria isolated from Uranium(U) rich subsurface soils of Domiasiat, Meghalaya.” national seminar on “ Recent trends in Science and technology”, Department of science, Union Christian College(UCC), Shillong, Meghalaya.
5. **Kalita D.**, Sarma B. and Joshi S.R.(2014), “Lead (Pb) tolerant bacterial strains from uranium rich soil of Domiasiat in Meghalaya.”, national seminar on “Conservation of biodiversity, national perspective and sustainable development”, proceedings, ISBN: 978-93-84679-05-7, Deptt. of Botany, Morigaon College, Assam, India.
6. **Kalita D.**, Saikia J.C. and Boruah M. S. (2011) “Comparative Study of Herbal Antibacterial with Synthetic Antibiotic.”, International seminar on “Bioresources and Human Sustenance.”, proceedings, ISBN: 978-93-82384-36-6, Deptt. Of Zoology, Cotton College, Assam.
7. **Kalita D.** and Saikia Jagat (2012), “Antibacterial and antioxidant property of root extract of three medicinal plants used by local people of Morigaon district.” Proceeding of national conference of “Prospects of Molecular Biological and Biotechnological Application for Human Welfare”, PB-05, pp. 65, Pandu College, Assam, India.

8. **Kalita, D** and Saikia, J.(2012) “Screening and development of biocontrol agent of some bacterial isolates against plant pathogenic fungi *Helminthosporium solani*”, An international conference on “Anthropogenic Impact on Environment and Conservation Strategy”, NEA, Ranchi, Jharkhand, India.
9. **Kalita, D.**(2012) “A new way of conservation of medicinal plants with special reference to Sacred Groves.” Proceeding of state level seminar on “Current resources for conservation of medicinal plants of Assam”. Pg. no.- 17.
10. **Kalita D.**, Sidangi A. and Anmol, G.K. (2011), “Antibacterial Activity of Medicinal Plants of India”, 3rd International Conference on “Climate Change, Forest Resources and Environment” abstract of papers, paper no.- J17 , page- 208 , Deptt. of Environmental Science, University of Kerala, Thiruvananthapuram- 695581, Kerala, India.

Invited Reviewer of International Journals

1. Letters in Applied Microbiology (Wiley- Blackwell, UK)
2. Bioremediation (Taylor and Francis, UK)
3. American Journal of Microbiology and Biotechnology (USA).
4. Journal of Microbiology Research (USA)
5. American Journal of Life Science (USA).
6. American Journal of Environmental Protection (USA).
7. American Journal of Environmental Engineering and Science (USA).
8. American Journal of Molecular Biology (USA)
9. International Journal of Ecological Science and Environmental Engineering(USA).
10. Asian Journal of Soil Science and Plant Nutrition (India)
11. International Journal of Soil and Plant Sciences (UK).
12. American Journal of Chemistry (USA).
13. Asian Journal of Advances in Research (India).

Member of the editorial board of International Journals

1. Journal of Agriculture and Aquaculture (USA)
2. American Journal of Life Sciences (USA).
3. American Journal of Environmental Protection (USA).
4. American Journal of Microbiology & Biotechnology (USA).
5. American Journal of Environmental Engineering and Science (USA).
6. International Journal of Environmental Engineering and Science (USA).
7. International Journal of Pharmacy and Pharmaceutical Science (India).
8. American Journal of Environmental Engineering and Science (USA)

Member of Global Advisory Group

1. Global Advisory Groups: Bioaccumulation Science (‘B’SAG groups of SETAC) (<http://www.setac.org/members/group.aspx?id=90704>).
2. Global Advisory Groups: Nanotechnology (SETAC). (<http://www.setac.org/members/group.aspx?id=90694>).

Guest lecture/ Invited Talk/Resource person

1. Resource Person in the programme, “E-OUTREACH AND EXTENSION ACTIVITIES”, held online during Covid-19 pandemic (2nd phase) in the year 2021 organized by Bharatiya Kishan Sangha, Rastriya Swayamsevak Sangh (RSS).
2. Awareness talk on “**Organic Farming and its importance**” arranged by Pragya Foundation at various location of Guwahati from 26th Feb.-6th March, 2021.
3. Invited talk of 40th in the Youtube North East Science Movement talk Series on “**Extremophiles**” . 2021
<https://www.youtube.com/watch?v=AZw3WxTxRIA&t=64s>
4. Invited as resource person and talk on “Innovation, Entrepreneurship and Business”, by Innovation cell on 3rd August, 2019, North Lakhimpur College, Lakhimpur, Assam, India.

5. Invited for talk on teachers environmental leadership workshop on “Climate change and water crisis” on the occasion of World Earth Day and Kids For Tiger, April, 22nd, 2016 celebration in Royal Global school.
6. Invited for talk on “Role of snake in ecosystem, conservation and do’s/don’ts in snake bite cases” on the occasion of World Environment Day, June, 5th, 2015 celebration in Morigaon H.S. & MP school.
7. Invited for talk on “scientific way to remove pollutant and save earth” on the occasion of Earth Day, April 22, 2015 celebration in Tezpur, Assam with Padmashree Jadav payeng.
8. Environmental day celebrated by Mayong college, organized by Assam Science Society, Morigaon, Assam, India. Topic on “ An Introduction to Environmental science and pollution” on 2014.
9. Invited as resource person and talk on “Importance of microbes in waste management”, on the occasion of NCSC, 2014.

Science and environment popularization articles

1. “Toxic arsenic and role of microbiologist for remediation” Vigyan Jeuti (A bimonthly magazine published by Assam Science Society), ISSN- 2319-3085, Vol.50 No.1, Pg.-49-50.
2. “Global pollution and Microbial Approach to Mitigate” 2015, Protifolon (Yearly), 2nd edition, ASTEC, Assam, India, Pg. 49-50.

Achievement/Award/Prize

1. Progressive Farmer Awards for 2021-2022
2. International Scientist Award for 2020-2021
3. FEMS Early Career Scientist Award for 2017-2018.
4. CSIR International Travel Grant (ITG) 2017.
5. UGC Institutional Fellowship – 2017-2019
6. Senior Research Fellow (SRF) of DST, India (2015-2017).
7. Junior Research Fellow (JRF) of DST, India (2014-2015).
8. Project Fellow (PF) of DBT, India (2011-2014).

Selected international and national workshop/seminar/conference attended

1. **International Conference on Trends in Plant Sciences and Agro-biotechnology**, held at IIT Guwahati, from Feb., 14-16, 2019.
2. **International Conference on Next Generation Plant Production and Bioresources Utilization Technologies**, held at IIT Guwahati, from Feb., 11-13, 2019.
3. **FEMS 2017** : 7th Congress of European Microbiologist held in Valencia, Spain
4. One week national workshop on “**Nanotechnology**”, jointly organized by Assam Don Bosco University and Tezpur University, India
5. National level hands on workshop on “**Biological treatment of Solid Waste**”, conducted under TEQIP, organized by Indian Institute of Technology, Guwahati, India.
6. National workshop on “**Pure Water and Analytical Solution for your Laboratory**” organized by Department of Chemistry and Metrohm Ind. Ltd, NEHU, Shillong, India.
7. National workshop on “**Hands-on training on Techniques used in Biotechnological Research**” organized by Department of Biotechnology and Bioinformatics, NEHU, Shillong, India.
8. National workshop on “**Advances Applied Microbiology and Bioprocess Engineering**”, organized by department of Molecular Biology and Biotechnology (MBBT), Tezpur Central University, Assam, India.
9. Workshop on “**Capturing innovations for IPR protection in Tezpur Central University**”, organized by IPR Cell, Tezpur University, Assam, India.

10. GE healthcare sponsored hand on workshop on “**Tools of Proteomics**”, organized by Molecular Toxicology Laboratory, Deptt. of Molecular Biology and Biotechnology (MBBT), Tezpur Central University, Assam, India.
11. International conference on “**Bioresources and Human Sustenance.**” organized by Deptt. Of Zoology, Cotton College, Guwahati, Assam, India.
12. National Seminar on “**Molecular innovations in Food Processing & Food Safety Management**”, Organized by NIFTEM, Ministry of Food Science and Technology, in collaboration with The Oxford College of Science, Bangalore, India.

Short-term course attended

1. **Short-term course in Life Science (With special references to Nano Science)** in UGC-Academic Staff College, North-Eastern Hill University, Shillong, Meghalaya from 01/08/2016 to 06/08/2016

Area of Interest

- Environmental Microbiology: Bioflocculation, biofilm, biodegradation, bioremediation, radionuclide, heavy metals).
- Industrial Microbiology : Product development, media formulation, packaging etc.

Membership of Professional Societies/Organization.

Honorary Fellow Member

1. Academy for Environment and Life Sciences (AELS) (Membership ID: **FAELS-159.2015**).

Life Member

1. Society for Environmental Toxicology and Chemistry (SETAC) (Membership no.- **28903987**).
2. Society for Biotechnologist, India. (Membership no. **L659**).
3. Spanish Society of Microbiology (4581)
4. Assam Science Society, Assam, India. (Life member, ASS - **5102**).

Student Member

5. American Society for Testing & Materials (ASTM, Membership no.- 1836470).

Esteem

- Programme coordinator of ASIA PACIFIC SPACE GENERATION WORKSHOP (APSGW), held in **Singapore** from 3rd to 5th November, 2018.
- Representative from India to Singapore in ASIA PACIFIC REGIONAL SPACE ADVISORY FORUM (**APRSAF**) from 6th to 10th November, 2018.
- Organizing member of international conference on advances in nanotechnology, organized by Assam Don-Bosco University, Guwahati, Assam, India and Sustainable nanotechnology organization (SNO), USA.
- Joint Secretary of Assam Science Society (ASS), Morigaon branch, Assam (from 2010 to 2017).
- Organizer of National Children Science Congress (NCSC) programme, organized by ASTEC and district organizing committee, 2011, district level, Assam, India.
- Evaluator of NCSC project competition organized by ASTEC, 2008, district level, Morigaon, Assam, India.

Hobbies

- River rafting, Trekking, Waterfall rappelling, travelling and exploring site of ecosystem variation and extreme environment.
- Conservation, rescue and photography of wildlife.

- Science popularization writing and work in concern to environment awareness.

Place visited

Spain, Portugal, Singapore, Nepal, Bhutan, Bangladesh.

Personal Memorandum

Name : Debajit Kalita.
Father's Name : Bhagi Ram Kalita
Date of birth : 01/01/1985.
Sex : Male
Nationality : Indian.
Religion : Hindu
Languages known: English, Hindi, Assamese, Bengali, German (Basic A1).
Marital status : Married.

Personal Strengths

- Profound ability to work individually and in a team to pursue research.
- Sincerity, self-confidence and positive attitude with communication skill.
- Believing in honesty, hard & quality work.
- Active, patient & punctual, risk taking & innovative.
- Adapt to any kind of environment.

Volunteering

- SwayamSevak at Rashtriya Swayamsevak Sangh, Assam Prant.
- State Coordinator Vidyarthi Vigyan Manthan, VVM, India.
- State Executive Vigyan Bharati - Vani, India
- North East Science Movement (NESM), India
- Assam Science Society (ASS), India
- National Children Science Congress (NCSC), India
- Asia Pacific Space Generation Advisory Council (APSGW), UNOOSA, UNO.

References.

1. Prof. S. R. Joshi

Microbiology Laboratory
Department of Biotechnology & Bioinformatics,
North – Eastern Hill University (NEHU),
Shillong 793022, India
Contact number : +91-272-2405; +91-9436102171(Mob)
E-mail: srjoshi2006@yahoo.co.in / srjoshi2006@gmail.com
Department website : <http://nehu.ac.in/faculty/display/249>
Laboratory websites: <http://mblabnehu.com>

2. Dr. Mukut Gohain

Manager – Head Research Scientist in drug development
Chemical Process Technology
Bloemfontien, Soth Africa
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Email: gohainm@ufs.ac.za

3. Prof. Utpal Bora

Department of Biosciences and Bioengineering,
Center for the Environment and
Center for the Energy
Indian Institute of Technology, Guwahati
Email: ubora@iitg.ernet.in
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4. Prof. Probodh Bora

HOD and Professor,
Department of Animal Biotechnology
College of Veterinary Science, Khanapara.
Assam Agriculture University
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Declaration

I do hereby declare that the information furnished above is true to the best of my information and belief.

Place: Guwahati

Dated. – 11/11/2023

Debajit Kalita

(Debajit Kalita)