

Faculty Profile



Name: **Dr. Shuvasish Choudhury**
Designation: **Assistant Professor**
Department/Centre: **Central Instrumentation Laboratory**

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Educational Qualifications:

Example: [**M.Sc.** in Life Sciences, Assam University (2003); **Ph.D.** in Life Sciences, Assam University (2009); **Post-doctorate**, Oklahoma State University, USA (2013-2014)]

Areas of Interest:

- Biochemistry and Molecular Physiology of Abiotic Stress Responses and Tolerance in Agriculturally Important Crops
- Identification and Characterization of Metabolomic Traits for Abiotic Stress Tolerance.
- NMR and GC-MS Based Metabolomics
- Phytochemistry and Pharmacology of Secondary Metabolites from Medicinal Plants

Work Experience: [In chronological order with the recent one at the last.]

Name of the Organization	Designation	Period		Nature of Post (permanent /temporary/Ad-hoc/contractual etc.)
		From	To	
Assam University, Silchar	Assistant Professor	14-10-2009	Till Date	Permanent
Oklahoma State University, USA	Visiting Associate & Post- Doc Fellow	12-09-2013	08-09-2014	Temporary

Awards and Honours (if any):

Award Details	Awarding Agency	Year	Remark (if any)
Young Botanist Award	Indian Botanical Society	2010	-
SERB (DST) Fast Track Young Scientist Award	Department of Science and Technology (Govt. of India)	2012	Sanctioned Research Project
DBT-Overseas Associateship for Scientist Working in NER	Department of Biotechnology (Govt. of India)	2013	Long Term Research Fellowship for Post-Doc Research & Advance Training

Projects: [In chronological order with the recent one at the last. Mention shall be made if the project is ongoing or completed]

Project Title	Awarding Agency	Period	Amount Sanctioned	Ongoing/ Completed
Phytochemical screening and bioactivity.....Assam	UGC	2011 - 2014	Rs. 8.17 Lakhs	Completed
Synergistic Interaction ofNorth East India	DBT	2011 - 2014	Rs. 32.98 Lakhs	Completed

Publications in Peer Reviewed Journals/Book Chapters (Maximum 5)

Authors	Title of the Paper/Chapter	Name of the Journal/Book	Journal/Book details	ISSN/ISBN
Choudhury, S., Sharma, P.	Aluminium stress inhibits root growth and alters physiological and metabolic responses in chickpea	Plant Physiology and Biochemistry (Elsevier)	2014, 83: 63-70	0981-9428
Chanda, J., Mukherjee, P.K., Harwansh, R., Bhadra, S.,	RP-HPLC simultaneous estimation of betulinic acid and	Natural Product Research (Taylor & Francis)	2014; 28(21): 1926-1928	1478-6419

Chaudhary, S.K., Choudhury, S.	ursolic acid from <i>Carissa spinarum</i> .			
Thounaojam, T.C., Panda, P., Choudhury, S. , Patra, H.K., Panda, S.K.	Zinc ameliorates copper-induced oxidative stress in developing rice (<i>Oryza sativa</i> L.) seedlings	Protoplasma (Springer)	2014; 251: 61-69	1615-6102
Choudhury, S. , Bahadur, B., Krishnamurthy, K.V., Adams, S.J.	Ethnic diversity of north east India	Pullaiah, T. et al. (Eds.) <i>Ethnobotany of India; Vol – 4 (North East and Andaman)</i>	2016; (In Press) Apple (CRC) Academic Press, NJ, USA	9781771884778
Choudhury, S. , Bahadur, B., Pullaiah, T.	Ethnobotany of North East India	Pullaiah, T. et al. (Eds.) <i>Ethnobotany of India; Vol – 4 (North East and Andaman)</i>	2016; (In Press) Apple (CRC) Academic Press, NJ, USA	9781771884778
Panda, S.K., Choudhury, S. , Patra, H.K	Heavy-metal-induced oxidative stress in plants: Physiological and molecular perspectives.	In: Tuteja, N., Gill, S.S. (Eds.) <i>Abiotic Stress Responses in Plants</i> .	Vol – 1, Wiley-VCH (Verlag GmbH & Co. KGaA), pp.: 219 – 232	9783527339181
Google Scholar Link: https://scholar.google.co.in/citations?user=I4RaJo4AAAAJ&hl=en				

Books Authored/Edited Books (Maximum 5)

Authors	Title of the Book	ISBN	Publisher Details	Authored/Edited
Choudhury, MD, Sharma GD, Talukder AD, Choudhury, S.	Researches in Medicinal and Aromatic Plants	9789381084953	Swastik Publications, India, 2012	Edited
Choudhury	Status and	9789381084106	Swastik Publications,	Edited

MD, Sharma GD, Choudhury, S, Talukder AD	Conservation of Biodiversity of North East India		India, 2011	
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Details of Ph.D degree awarded (Under the supervision of the faculty):

Name of the Scholar	Title of the Thesis	Year of award	Remark (if any)
Suparna Datta	Phytochemical analysis and evaluation of hepatoprotective and antioxidant activity of Indian medicinal plant <i>pajanelia longifolia</i> (willd)K. Schuman	2013 (As Co-Supervisor)	Central Instrumentation Laboratory & Department of Life Science & Bioinformatics, Assam University, Silchar