PROFORMA FOR BIO-DATA

1. Name and full correspondence address: Dr. Zina Moni Shandilya

House No-5, GokulDarshan Path, Ganesh Nagar, Basistha, Guwahati-781029, Assam, India

1. Email(s) and contactnumber(s): Email: [zinashandilya@gmail.com](mailto:ZINASHANDILYA@gmail.com), Phone number: 8133846545
2. Institution: Nowgong Girls’ College, Nagaon
3. Date of Birth: 30-06-1991
4. Gender (M/F/T): Female
5. CategoryGen/SC/ST/OBC: General
6. Whether differently abled (Yes/No): No
7. Academic Qualification (Undergraduate Onwards)

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| --- | --- | --- | --- | --- | --- |
|  | Degree | Year | Subject | University/Institution | % of marks |
| 1. | Bachelor of Science | 2014 | Botany | Gauhati University | 74.76 |
| 2. | Master of Science | 2016 | Botany | Gauhati University | 80 |
| 3. | Doctorate of Philosophy (Ph.D.) | 2020 | Botany | Gauhati University | - |

1. Ph.D thesis title, Guide’s Name, Institute/Organization/University, Year ofAward.

Supervisor: Prof. Bhaben Tanti, Department of Botany, Gauhati University, Assam

PhD topic: "Studies on amelioration of acid soil stress on traditional rice varieties of Assam"

Year of award: 2020

1. Work experience (in chronologicalorder).

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| --- | --- | --- | --- | --- | --- |
| S.No. | Positions held | Name of the Institute | From | To | Pay Scale |
| 1 | JRF | Gauhati University | September2016 | September 2018 | 31000per month |
| 2 | SRF | Gauhati University | September 2018 | May2020 | 35000 per month |
| 3 | Assistant Professor | Nowgong Girls’ College | 21 December 2020 | Till date | 57700-142000 |

1. ProfessionalRecognition/Award/Prize/Certificate,Fellowshipreceivedbytheapplicant.

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| --- | --- | --- | --- |
| S.No | Name of Award | Awarding Agency | Year |
| 1 | 1st Class 1st Gold Medalist | Gauhati University | 2016 |
| 2 | DST Inspire Fellowship | DST | 2016 |

1. Publications *(List of papers published in SCI Journals, in year wise descendingorder).*

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| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Author(s) | Title | Name of Journal | Volume | Page | Year |
| 1 | Shandilya ZM, Tanti B | [Kolakhar-a traditionally prepared biochar revealed potentiality in ameliorating soil acidity stress in rice](https://scholar.google.com/scholar?oi=bibs&cluster=5933294797820850727&btnI=1&hl=en) | Crop and Pasteur Science | CP21389 | - | 2022 |
| 2 | S Nahar, L. Lahkar, Md A Islam, D. Saikia, ZM Shandilya, L.R Vemireddy, B Tanti | Genetic diversity based on osmotic stress tolerance-related morpho-physiological traits and molecular markers in traditional rice cultivars. | *Biologia* (Springer) | 75 | 669-679 | 2020 |
| 3 | Shandilya ZM, Tanti B | Comparative biochemical, histochemical and expression analysis of SOD gene in a few traditional rice varieties under aluminium toxicity and phosphorous deficiency in Assam, India | Vegetos (Springer) | 33 (1) | 145-157 | 2020 |
| 4 | Shandilya ZM, Tanti B | Hydroponic screening of traditional rice varieties in Assam, India to estimate their potential resistance to Al toxicity under P deficiency | Acta Agrobotanica (Scopus) | 72(4) | 1793 | 2019 |
| 5 | J Kalita, AK Pradhan, ZM Shandilya, B Tanti | Arsenic stress responses and tolerance in rice: physiological, cellular and molecular approaches. | Rice Science (Elsevier) | 25(5) | 235-249 | 2018 |
| 6 | L Das, S Hasnu, ZM Shandilya, B Tanti | Cytotoxic Effect of Malathion and Furadan On *Alliumcepa* L. and Growth parameters of *Oryzasativa* L. | International journal of multidisciplinary studies | 4(4) | 60-75 | 2017 |

1. Detail of patents. Not applicable

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| --- | --- | --- | --- | --- | --- | --- |
| S.No | Patent Title | Name of Applicant(s) | Patent No. | Award Date | Agency/Country | Status |
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1. Books/Reports/Chapters/General articlesetc.

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| --- | --- | --- | --- | --- |
| S. No | Title | Author’s Name | Publisher | Year of Publication |
| 1 | Dissecting the Molecular Basis of Drought-Induced Oxidative Stress Tolerance in Rice | [Amit K. Pradhan](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Pradhan%2C+Amit+K),[Sabnoor Y. Jyoti](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Jyoti%2C+Sabnoor+Y),[Zina M. Shandilya](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Shandilya%2C+Zina+M),[MehzabinRehman](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Rehman%2C+Mehzabin),[DebanjaliSaikia](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Saikia%2C+Debanjali),[JunuPoudel](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Poudel%2C+Junu),[JyotirmayKalita](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Kalita%2C+Jyotirmay),[KongkonaBorborah](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Borborah%2C+Kongkona),[Uma K. Chowra](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Chowra%2C+Uma+K),[JnandabhiramChutia](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Chutia%2C+Jnandabhiram),[Lakshminarayana R. Vemireddy](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Vemireddy%2C+Lakshminarayana+R),[Bhaben Tanti](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Tanti%2C+Bhaben) | Wiley | 2021 |
| 2 | Aromatic Rices: Evolution,Genetics and Improvement through conventional Breeding and Biotechnological Methods *In:*  Molecular Breeding for Rice Abiotic Stress Tolerance and Nutritional Quality | [Lakshminarayana R. Vemireddy](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Vemireddy%2C+Lakshminarayana+R),[Bhaben Tanti](https://onlinelibrary.wiley.com/action/doSearch?ContribAuthorRaw=Tanti%2C+Bhaben),Lipika Lahkar and Zina M. Shandilya | Wiley  2021 | |
| 3 | Comparative metabolomics approach towards understanding chemical variation in rice under abiotic stress. | Pradhan, A.K., Shandilya, Z.M., Lahkar, L., Hasnu, S., Kalita, J., Borgohain, D., Tanti, B. | Woodhead Publishing | 2019 |
| 4 | Morphological variations of Lasia spinosa (L). Thwaitesdistributed inAsssam, India. Advances in Botanical Research in North East India | P. Hore, Z.M Shandilya, L. Gurung, SK Borthakur , B Tanti | ISBN 13:9789386302526 | 2018 |

1. Any other Information (maximum 500words)

Seminars and workshop attended:

1. Screening of traditional rice varieties to elucidate their potentiality for tolerance to Al toxicity and P deficiency,

Organised by Assam Botany Congress (ABC-01) and International conference on Plant Science.

1. Amelioration of acid soil stress on some traditional rice varieties of Assam – Harnessing Biodiversity for Social Empowerment of NE India, organized by Botanical Society of Assam (BSA)
2. Genetic improvement of ‘Ketaki Joha’ for yield and disease resistance by marker-assisted breeding in rice- 7th

Symposium of the DNA Society of India, organized by the Institute of Advanced Study in Science and Technology,

Guwahati

1. Phylogenetic analysis of *Lasia spinosa* (Lour.) Thwaites on the basis of rbcL sequence homology alignment-

National Seminar on Prospects and Challenges of Plant Science Research in India, organised by Department of Botany, Gauhati University.

1. Effect of arsenic in the morpho-physiological traits in some traditional rice cultivars of Assam, India – International Symposium on plant Biotechnology for Crop Improvement organised by IIT, Guwahati.
2. Indo-Japan workshop on Tanslational Agriculture Avenues for International Cooperation organised by Indian Institute of Technology, Guwahati and Gifu University, Japan.
3. Workshop on MOOCs, Online Courses & OER (w.e.f. 26th August to 2nd September, 2021)  HRDC, NEHU
4. Workshop on “Quantitative techniques in Geographical Research, 20-25th Jan, 2022, organised by department of Geography in collaboration with IQAC, Nowgong Girls College

**Faculty development programmes attended:**

1. *Faculty Development Programme* on *“Intellectual Property Rights and Entrepreneurship Development*” organized by IPR cell and IQAC of Gauhati University in collaboration with Patent Information Centre, ASTEC, Govt. of Assam held during 20th April to 26th April, 2022 at Gauhati University

**Faculty Induction Programmes attended:**

1. Guru –Dakshta Faculty Induction Programme(FIP-06)(27TH June -29th July 2022) conducted nby HRDC, Gauhati University.

