

## Lists of Publications (2003 –2013)

### Papers Published in 2013

- Barik S.K. and Darlong V. T. (2013). Managing sustainability in natural resource based rural development programmes. In: Behera MC (Ed.) *Northeast and Globalization: Issues Betwixt and Between*. DVS Publishers, Guwahati.
- Biate D. L. and Misra A. K (2013). DNA Cassette for detection and IPR protection of transgenic *Cyanobacteria* and *Rhizobium* Strains. *Indian Journal of Biotechnology* 12: 103-108.
- Chrungoo N. K., Devadasan Nabanita, Ivan Kreft and Marija Gregori (2013). Identification and characterization of granule bound starch synthase (GBSS-I) from common buckwheat (*Fagopyrum esculentum* Moench) *Journal of Plant Biochemistry and Biotechnology* DOI 10.1007/s13562-012-0153-y
- Dkhar, J., Kumaria S. and Tandon P (2013). New insights into character evolution, hybridization and diversity of Indian *Nymphaea* (Nymphaeaceae): evidence from molecular and morphological data. *Systematics and Biodiversity* 11(1): 77–86. Taylor and Francis
- Gogoi K., Kumaria S. and Tandon P (online 2013). Cryopreservation of *Cymbidium burneum* Lindl. and *C. hookerianum* Rchb. f., two threatened and vulnerable orchids via encapsulation-dehydration. *In Vitro Cell. Dev. Biol.—Plant* doi 10.1007/s11627-013-9505-0
- Hajong S., Kumaria S. and Tandon P (online 2013). Comparative study of key phosphorus and nitrogen metabolizing enzymes in mycorrhizal and non- mycorrhizal plants of *Dendrobium chrysanthum* Wall. ex Lindl. *Acta Physiol Plant* doi 10.1007/s11738-013-1268-z Springer
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- Kumar S., Kumaria S. and Tandon P (2013). SPAR methods coupled with seed- oil content revealed intra-specific natural variation in *Jatropha curcas* L. from Northeast India. *Biomass and Bioenergy* 54 (C): 101-106.
- Laldinthar R. and Dkhar M. S (2013). Soil Microbial Diversity and its Biochemical Properties at two different Forest Stands of Meghalaya. *International Journal of Current Research*, 5(1):119-128.
- Manners V., Kumaria S. and Tandon P. (2013). SPAR methods revealed high genetic diversity within populations and high gene flow of *Vanda coerulea* Griff ex Lindl (Blue Vanda), an endangered orchid species. *Gene* 519:91–97.
- Mohanty P., Nongkling P., Das M. C., Kumaria S. and Tandon P. (online 2013). Short-term storage of alginate-encapsulated protocorm-like bodies of *Dendrobium nobile* Lindl.: an endangered medicinal orchid from North-east India. *3 Biotech* doi: 10.1007/s13205-012-0090-4. Springer.
- Mohanty, P., Das M.C. , Kumaria S. and Tandon P. (2013) Cryopreservation of pharmaceutically important orchid *Dendrobium chrysanthum* Wall. ex Lindl using vitrification based method. *Acta Physiol. Plant.* 35, issue (4): 1373 - 1379. ISSN: 0137-5881 DOI: 10.1007/s11738-012-1163-z
- Panna Das, A. K. Saha and H. Kayang (2013). Arbuscular mycorrhizal fungal morphology in *Michelia champaca* L. *Journal Mycopathological Research* 51 (1): 177- 179. (ISSN 0971 – 3719).
- Raomai, S., Kumaria S. and Tandon P. (online 2013). *In vitro* propagation of *Homalomena aromatica* Schott., an endangered aromatic medicinal herb of Northeast India. *Physiol Mol Biol Plants* (April–June 2013) 19(2):297–300. doi 10.1007/s12298-013-0168-4
- Sharma S.K., Kumaria S., Tandon P. and Rao S. R. (2013). Assessment of genetic variation and identification of species-specific ISSR markers in five species of *Cymbidium*

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Songachan L. S and Kayang. H (2013). Diversity of arbuscular mycorrhizal fungi associated with *Flemingia vestita* Benth. ex Baker. *Mycology: An International Journal of Fungal Biology* (DOI: 10.1080/21501203.2010.517787). (Taylor & Francis Publisher). (ISSN-2150-1203).

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Yanthan M., Misra A. K(2013). Molecular approach to the classification of medicinally important actinorhizal genus *Myrica*. *Indian Journal of Biotechnology*, 12: 133-136.

## 2012

Adhikari D., Barik S. K. and Upadhaya K. (2012). Habitat distribution modeling for reintroduction of *Ilex khasiana* Purk, a critically endangered tree species of northeastern India. *Ecological Engineering* 40: 37-43.

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- Daimei, P., Kumar, Y., Sheikh, N., Pfoze, N. L. and Paduna, S. (2012). The finest Lakadong variety of turmeric from the Jaintia Hills of Meghalaya, India. *Pleione*, 6 (1): 141-148.
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- Dohling S., Kumaria S. and Tandon P. (2012). Multiple shoot induction from axillary bud cultures of the medicinal orchid, *Dendrobium longicornu*. *AoB Plants* 2012: pls 032; doi:10.1093/aobpla/pls032 Oxford journals
- Gogoi K., Kumaria S. and Tandon P. (2012). *Ex situ* conservation of *Cymbidium eburneum* Lindl.: a threatened and vulnerable orchid, by asymbiotic seed germination. *Biotech* 2:337–343. doi: 10.1007/s13205-012-0062-8 ISSN 2190-572X Springer
- Gogoi K., Kumaria S. and Tandon P (2012). A comparative study of vitrification and encapsulation - vitrification methods on cryopreservation of *Cymbidium eburneum* L.

- protocorms, a threatened and vulnerable orchid of India. *Cryoletters* 33 (6): 443-452  
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- Kalita V., Choudhury H., Kumaria S. and Tandon P. (2012). Vitrification-based cryopreservation of shoot-tips of *Pinus kesiya* royle ex. Gord. *CryoLetters* 33 (1): 58-68. Ingentaconnect Publication (UK).
- Kehie M., Kumaria S. and Tandon P. (2012). Osmotic stress induced - capsaicin production in suspension cultures of *Capsicum chinense* Jacq.cv. Naga King Chili. *Acta Physiologiae Plantarum* 34: 2039-2044. doi: 10.1007/s11738-012-0991-1. Springer.
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- Lyngdoh I. and Kayang H. (2012). Physico-Chemical and Bacteriological Characteristics of Umiam Lake, Meghalaya, India. *International Journal of Advanced Life Sciences* (IJALS, Vol 3: 27-34.
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