

## PH. Ds AWARDED (2003-2013)

Title of the Thesis	Name	Name of Supervisors
<b>2013</b>		
Role of earthworms on soil microbial diversity and leaf litter decomposition in soils from selected forests stands of Meghalaya	Ms. Ruth Laldinthar	M. S. Dkhar (Supervisor) H. Kayang (Jt. Supervisor)
Population structure and natural regeneration of Himalayan Yew ( <i>Taxus wallichiana</i> Zucc) in subtropical forests of Meghalaya	Ms. Mildona Swer	U. Shankar
Studies on Diversity, Productivity and Nutrient content in algal Communities of Umiew river, Meghalaya	Ms. Hygina Siangbood	P. Ramanujam
Studies on diversity of arbuscular mycorrhizal fungi associated with <i>Flemingia vestita</i> benth. ex baker	Ms. L. S. Songachan	H. Kayang
Effect of coal mining on the periphytonic and benthic algal communities in the streams of Jaintia Hill, Meghalaya	Ms. Mautushi Das	P. Ramanujam
Effect of coal stock drainage on the soil and ecophysiology of paddy and potato crops in Jaintia Hills, Meghalaya	Ms. Febreena Grace Lyndem	R. C. Laloo
Impact of domestic discharge on the water quality of river Umkhrah in Shillong, Meghalaya and Bioaccumulation of pollutants in plants	Ms. Jasmine Therese Sawian	R. C. Laloo
Biotechnological enhancement of Capsaicin biosynthesis in cell cultures of <i>Capsicum chinense</i> Jacq.	Mr. Mechuselie Kehie	P. Tandon (Supervisor) S. Kumaria (Jt. Supervisor)
Dynamics of microbial populations and their activities in experimental paddy fields under organic and inorganic farming practices	Ms. N. Nakhro	M. S. Dkhar
Effect of provenance variation on seed characteristics germination and seedling growth of tree bean ( <i>Parkia roxburghii</i> G. Don)	Mr. Kitboklang Nongrum	U. Shankar
Ethnobotanical studies and phytochemical analysis of selected medicinal plants of Senapati district, Manipur	Mr. Neli Lokho Pfoze	Y. Kumar B. Myrboh
DNA fingerprinting and <i>in vitro</i> propagation of <i>Vanda coerulea</i> Griff. ex Lindl.	Mr. Viki Manners	S. Kumaria (Supervisor) P. Tandon (Jt. Supervisor)
Biochemical studies and effects of photon flux densities on <i>in vitro</i> establishment of mycorrhizal association in <i>Dendrobium chrysanthum</i> Wall. ex Lindl.	Ms. Subarna Hajong	P. Tandon (Supervisor) S. Kumaria (Jt. Supervisor)

<b>2012</b>		
Studies on the impact of coal mine drainage on microbial ecology of water bodies of Jaintia Hills, Meghalaya	Ms. I. Lyngdoh	H. Kayang
Studies on soil microbial populations and their activities as affected by crop rotation and organic treatments under experimental conditions	Ms. H. Swer	M. S. Dkhar
Studies on the rhizosphere microflora of soybean in Meghalaya and their effect on seedling growth under organic and inorganic farming practices	Mr. B. B. Das	M. S. Dkhar
Genetic Variation Assessment and <i>In Vitro</i> Propagation of <i>Jatropha curcas</i> Linn. from Meghalaya and Assam	Mr. S. Kumar	S. Kumaria (Supervisor) P. Tandon (Jt. Supervisor)
Development of molecular markers for marker-assisted selection of catechin content in tea ( <i>Camellia</i> spp.)	Ms. M. Elangbam	A. K. Misra
Analysis of genetic diversity and Phylogenetic relationship in the genus <i>Nymphaea</i> using DNA profiling	Mr. J. Dkhar	P. Tandon (Supervisor) S. Kumaria (Jt. Supervisor)
Molecular typing of some native cyanobacteria and <i>Rhizobium</i> strains	Mr. D. L. Biate	A. K. Misra
Biomass and nutrient accumulation pattern, habitat specificity and growth behavior of <i>Phyllostachys manii</i> Gamble and <i>Sinarundinaria griffithiana</i> (Muro) Chao and Renvoize	Ms. E. Kharlyngdoh	S. K. Barik
Carbon sequestration in the humid tropical and sub-tropical forests of Meghalaya	Mr. Ratul Baishya	S. K. Barik
Population ecology of threatened ethno-medicinal plant species in relation to forest fragmentation in Khanchendzonga Biosphere Reserve, Sikkim	Mr. M. K. Lyngdoh	S. K. Barik
Reproductive Biology of <i>Panax wangianus</i> s.c. Sun	Ms. Preeti Ahuja	N. Venugopal
<b>2011</b>		
Studies on the wood rotting fungi of Meghalaya	Mr. J. Z. Sailo	M. S. Dkhar H. Kayang
Studies on the arbuscular mycorrhizal fungi associated with <i>Michelia champaca</i> Linn and their potential on its growth	Mr. Panna Das	H. Kayang
Isolation and functional characterization of the waxy locus in common buckwheat ( <i>Fagopyrum esculentum</i> Moench)	Ms. N. Devadasan	N. K. Chrungoo
<b>2010</b>		
Establishment of phylogenetic relationship in <i>Myrica</i> species of Meghalaya and development of molecular markers for early screening of <i>Myrica</i> trees.	Mr. Mhathung Yanthan	A. K. Misra

<b>2009</b>		
Study of soil microflora in two sacred groves of Meghalaya.	Ms. B. Gashnga	H. Kayang
Micropropagation and conservation of critically endangered <i>Mantisia spathulata</i> Schult. and <i>Mantisia wengeri</i> Fischer (Zingiberaceae) of northeast India.	Mr. S. S. Das Bhowmik	P. Tandon (Supervisor) S. Kumaria (Jt. Supervisor)
<b>2008</b>		
Studies on the developmental and Histo - Chemical analysis of digestive and Secretory glands in some insectivorous Plants of Meghalaya.	Ms. K. R. Devi	N. Venugopal
Studies on the vascular cambium and its Derivatives in some primitive angiosperms Of sub-tropical moist forest of Meghalaya.	Mr. M. G. Liangkuwang	N. Venugopal
Regeneration ecology and Sustainability of Harvest of bay leaf, <i>Cinnamomum Tamala</i> Fr. Ness in Meghalaya	Ms. B. Ghosh	U. Shankar S. K Barik
Clonal propagation and cryopreservation of <i>Dendrobium longicornu</i> Lindl. and <i>Dendrobium formosum</i> Roxb.: Two endangered orchids of North-East India	Mr. S. Dohling	S. Kumaria (Supervisor) P. Tandon (Jt. Supervisor)
Studies on regeneration of tree species in subtropical forests of Meghalaya	Ms. S. Nongbri	H. N. Pandey.
Impact of mining on plant diversity and community structure of aquatic and terrestrial ecosystem of Jaintia Hills, Meghalaya	Mr. S. Jeeva	R. C. Laloo
Conservation and DNA Fingerprinting of <i>Nepenthes khasiana</i> Hook. f. a threatened insectivorous plant of India	Ms. I. Nongrum	P. Tandon (Supervisor) S. Kumaria (Jt. Supervisor)
Studies on interrelationship between tree diversity and N and P dynamics in a humid subtropical forest ecosystem of Meghalaya	Ms. J. Kamei	H. N. Pandey.
<b>2007</b>		
Role of fine roots and soil microbes in C, N, and P dynamics in a humid tropical forest ecosystem of northeast India	Mr. A. R. Barbhuya	H. N. Pandey A. Arunachalam
Biodiversity characterization and regeneration ecology of some important tree species in tropical evergreen secondary forest in Namdapha National Park, Arunachal Pradesh	Mr. D. Adhikari	S. K. Barik A. Arunachalam
Micropropagation of <i>Ilex khasiana</i> Hook. f. and <i>Nymphaea tetragona</i> (Ait.) George - rare and endangered plants of Meghalaya, India	Mr. J. Dang	P. Tandon

Introduction of deltaentoxine gene cry 1A(c) of <i>Bacillus thuringiensis</i> in Basamati rice varieties	Mr. A. Kumar	P. Tandon H. S. Gupta.
Soil microbial diversity in the disturbed and undisturbed deciduous forest of Meghalaya	Ms. M. Dkhar	M. S. Dkhar
In vitro propagation and conservation of <i>Cymbidium devonianum</i> Paxt. and <i>Dendrobium lituiflorum</i> Lindl; rare and threatened epiphytic orchids of north-east India	Ms. M. C. Das	P. Tandon (Supervisor) S. Kumaria (Jt. Supervisor)
Molecular typing of <i>Frankia</i> in the field collected nodules from different altitudes in Sikkim	Ms. Anindita Khan	A. K. Misra
Analysis of molecular diversity in accessions of buckwheat ( <i>Fagopyrum</i> spp) from Himalayan ranges	Ms. Anusuya Rout	N. K. Chrungoo
<b>2006</b>		
Studies on the effect of "Bun"cultivation on soil microbes and their activities.	Mr. M. Khongsai	H. Kayang
Developmental Physiology and Biochemistry of Somatic Embryogenesis in <i>Pinus Kesiya</i> Royle Ex. Gord	Ms. S. Purkayastha	P. Tandon
Ecological studies of some important tree species of subtropical humid forest of Meghalaya	Mr. N. Odyo	H. N. Pandey
Impact of shifting cultivation and mining on land degradation and soil biological processes in Nokrek biosphere reserve of Meghalaya	Ms. V. Ralte	H. N. Pandey S. K. Barik
Impact of human activities on plant biodiversity of Nokrek Biosphere Reserve of Meghalaya	Ms. S. D. Prabhu	R. S. Tripathi S. K. Barik
Morphological and Embryological studies of some <i>Podostemaceae</i> members of North Eastern India	Mr. H. Lalruatsanga	N. Venugopal
Site-specificity, growth and productivity of Rui bamboo ( <i>Arundinaria maling</i> Gamble) in Jang area of Arunachal Pradesh	Mr. K. L. B. Singha	R. S. Tripathi M. L. Khan.
<b>2005</b>		
Studies on Biodiversity and Experimental taxonomy of <i>Dendrobium</i> Sw. of North East.	Mr. A. Lokho	Y. Kumar
<b>2004</b>		
Studies on soil microbiology of Groundnut ( <i>Arachis hypogaea</i> . L) under different fertilizer treatment	Mr. R. Lalfakzuala	H. Kayang M. S. Dkhar
Impact of shifting cultivation and mining on land degradation and soil biological processes in Nokrek biosphere reserve of Meghalaya	Ms. V. Ralte	H. N. Pandey
Ecological studies of some important tree species of subtropical humid forest of	Mr. N. Odyo	H. N. Pandey

Meghalaya		
<b>2003</b>		
Studies on the environmental information in tree rings of some tree species growing in North-east India.	Mr. N. D. Singh	N. Venugopal
Development of an embryogenic system for mass propagation of <i>Pinus kesiya</i> Royle ex. Gord. and field performance of the regenerants.	Mr. H. Choudhury	P. Tandon
VA mycorrhiza in different agricultural systems of Meghalaya	Mr. S. K. Parida	M. S. Dkhar G. D. Sharma
Studies on microbial communities in degraded and undegraded forest soils of Arunachal Pradesh	Mr. S. S. Singh	M. S. Dkhar S. C. Tiwari
Study of distribution pattern and ecological analysis of major forest types of Meghalaya	Mr. O. P. Tripathi	H. N. Pandey
Studies on plant biodiversity and ecosystem function in sacred groves of Meghalaya	Mr. K. Upadhaya	H. N. Pandey
Isolation, Cloning and Molecular analysis of the legumin gene of common buckwheat ( <i>Fagopyrum esculentum</i> Moench)	Mr. S. Bharali	N. Chrungoo