



**Dr. URMIMALA HAZARIKA**

Scientist-D

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**Educational Qualification:**

- B.Sc. Agriculture (Biochemistry) from C/A, AAU, Jorhat, Assam in 1991.
- M. Sc. Agriculture (Agronomy) from, AAU, Jorhat, Assam in 1993.
- Ph.D in Botany from Gauhati University, Guwahati, Assam in 2013

**Professional Experiences :**

- Scientist –D in CMER&TI, Lahdoigarh, Jorhat, Assam (Jan., 2016 to till date)
- Scientist –C in CMER&TI, Lahdoigarh, Jorhat, Assam (Jan., 2010 to Dec., 2015)
- Scientist –B in CMER&TI, Lahdoigarh, Jorhat, Assam (Aug., 2005 to Dec., 2009)
- SRA in RSRS, Jorhat and CMER&TI, Lahdoigarh (July, 1995 to July, 2005)

**Areas of Research interest:** Agronomical research & Host plant management

**Foreign Assignment:** Deputation as Official Delegate of CSB to participate in the International Conference held at Tokyo, Japan w.e.f. 21<sup>st</sup> -24<sup>th</sup> September, 2010 by the Member Secretary of CSB and the Ministry of Textiles, GOI

**Professional Training :**

- ❖ Orientation training on various aspects of CSB at MSDP, Guwahati
- ❖ Orientation course training at CSR&TI, Berhampore.
- ❖ Capsule training on “Integrated soil nutrient management” at CSR&TI, Berhampore.
- ❖ Computer training at NIIT, Jorhat
- ❖ Statistical training programme on Statistical methods for Seri cultural research at CSB, Bangalore.
- ❖ Orientation Course training at CSR&TI, Mysore.
- ❖ Training on MIS web based application software at CSB, Bangalore.
- ❖ Quality Policy, ISO 9001: 2008 QMS Awareness and Internal Quality Auditors at CMER&TI, Lahdoigarh
- ❖ Research Methodology in Rural Development at NIRD-NERC, Guwahati.
- ❖ Application of remote sensing and GIS at NBSS & LUP, Jorhat
- ❖ Priority setting, monitoring, evaluation and technology management” organized by NAARM, Hyderabad at CMER&TI, Lahdoigarh

**Project handled/Concluded:**

- ❖ Minikit trial of improved mulberry varieties under AICE

- ❖ Cultivation of pulses during winter and green manure crop during summer as intercrop in mulberry garden.
- ❖ Studies on growth and leaf yield potential of mulberry raised as high bush under agro climatic condition of Assam
- ❖ Evaluation of improved mulberry varieties for Eastern & NE region of India.
- ❖ Improvement in productivity of eri host plant, castor (*Ricinus communis* Linn.)
- ❖ Development of Muga and Eri based intercropping system
- ❖ Biointensive Farming Techniques among muga growers

### **Number of Publication: 47**

#### **Research Papers in Peer reviewed Journal:**

- ❖ **U. Hazarika**, S.K. Barthakur, R. Chakravorty and K. Pathak (2014) Promising som based Intercropping System for increasing productivity and sustainability *International Journal of Tropical Agriculture*. 32 (1-2): 159-162.
- ❖ **U. Hazarika**, S.K. Barthakur and R. Chakravorty (2012) Performance of certain medicinal and Aromatic plants as intercrops in som plantations *Crop Res.* 44 (1 & 2): 190-193.
- ❖ **U. Hazarika**, S.K. Barthakur and R. Chakravorty (2012) Production potential and economic viability of som based intercropping systems *Ad. Plant Sci.*, 25 (II): 501-503.
- ❖ **U. Hazarika** and B.N.Choudhury (2011) Intercropping of kesseru (Heteropanax fragrance Seem) with commercial crops for higher economic returns *Ad. Plant Sci.*, 24 (I): 245-249.
- ❖ **U. Hazarika**, R.K. Dutta and R.Chakravorty (2009) Morphology and yield attributing features of ginger and turmeric under natural shade of som (*persea bombycina* kost ) plants- *Advances in Plant Sciences* 22 (1): 115-117.
- ❖ M.C.Sarmah, **U.Hazarika** and R.Chakravorty (2008) - Response of certain agronomical practices in perennial cultivation of castor utilized for eri silkworm rearing *Sericologia* 48 (2):207-211.
- ❖ **Urmimala Hazarika**, B. N. Sarkar, A. Barah and R. Chakravorty (2007) Association of fecundity with larval and pupal weight in different eco-races of eri silkworm *samia ricini* Donovan- *J. Adv. Zool.* 28 (2) :67-70.
- ❖ A. Barah, D. Mech, **U. Hazarika** and R. Chakravorty (2007) - Crop stabilization in muga culture – *Sericologia* 46 (4): 423-431.
- ❖ **U. Hazarika**, A. Barah and R. Chakravorty (2006)- Correlation between physio-chemical parameters of castor leaves and rearing parameters of eri silkworm in relation to different combination of NPK. *Sericologia*, 46(3), 313-320.
- ❖ **U. Hazarika**, A. Barah, J.D. Phukan and K.V. Benchamin (2003)- Studies of the effect of different food plants and seasons on the larval development and cocoon characters of eri silkworm *Samia Cynthia ricini* Bois. *Bulletin of Indian Academy of Sericulture*,7(1), 77-85.
- ❖ J.D.phukan, P.K.Handique, **U.Hazarika**, R.Chakravorty, A.K.Sikdar and J.C.Mahanta (2000) Growth and leaf yield of a few improved mulberry strains as influenced by soil and agro climatic conditions in N.E. India. *Indian J.Seric.* 39 (1): 84-85.
- ❖ P.C.Bora and **U.Hazarika** (1997) Effect of lime and boron on rained toria (*Brassica campestris* subsp. *oleifera* var. *toria*) *Indian J. Agron* 42 (2) : 361-364.
- ❖ P.C.Bora and **U.Hazarika** (1994) Effect of lime and boron on toria *Journal of Agricultural Science Society* 7 (1): 82-84.

**Book Chapter:** Constraints in muga culture–strategies and research programmes undertaken at CMER&TI, Lahdoigarh authored by R.K. Rajan and **U. Hazarika** in the Compendium of

seminar papers, *National seminar on Recent Trends in Research & Development in Muga Culture: Ideas to Action, held at Guwahati during 3-4 May, 2012*, pp: 3-11.

### **Articles:**

- ❖ Kendriya Muga Eri Gaveshana aur Prashikhan Pratisthan *Kaljoyee (Assamese Magazine) 1<sup>st</sup> year no.3, pp.6-7*
- ❖ Arand krishi ki aaboychakota abong unnat krishi pranali *Indian Silk* 45 (10):40-41.
- ❖ Economics of Perennial Castor Cultivation, *Indian Silk*, 44(11), 13-16.
- ❖ Era khetir Aaboyshakota aru iar unnata krishi paddhati –*Bigyan Jeuti*
- ❖ Kechusar Prastuti: Resham Pamar aaborjanaar purnabyboharar aanya ak dikh *Bigyan Jeuti* 35 (3) :56.
- ❖ Asomor gaon anchalat pat shilpar sambhabana *Bigyan Jeuti* 32 (6) :21-25.

### **Technology Booklets / Leaflets (Assamese)**

- ❖ Pranalibadha som gasar majat antarbarti sashyar khetai-proyojania nidreshana (Intercropping in between som plantation-necessary directions)
- ❖ Kensusar utpadan-Ek labhjanak byavasai (Vermiculture-one profitable venture)
- ❖ Jeivik upayere muga khadyabrakhar pratipalan (Muga host plant management through organic means)
- ❖ Importance of soil examination in agronomical activities (Krishi pranalit mati praikshar bhumika)
- ❖ Use of organic manures in sericulture (Reshom krishi byabasthat jaivic sharar prayug) Intercropping (*aantahsashyakaran*)
- ❖ Eri suta kotar unnat padhati -Jiba Prayukti Mathyasthata karanar babe Bhabishatar Prayojoniota
- ❖ Intercropping in kesseru (*Pranalibaddha kesserur majat aantahsashyakaran*)
- ❖ Intercropping in som (*Pranalibaddha somar majat aantahsashyakaran*)

### **International Conference attended:**

- 20<sup>th</sup> Congress of International Sericultural Commission organized by International Sericulture Commission, France w.e.f. 15-18 December, 2005 at Bangalore.
- 6<sup>th</sup> International Conference on Wild Silkmoths held at Tokyo University of Agriculture, Tokyo, Japan w.e.f. 21st to 24<sup>th</sup> September, 2010.

### **Institute Publication:**

- Editor, CMER&TI Sericultural News (vol. 5 - vol. 18 since 2009 to till date)
- Editor, Annual Report of CMER&TI (2014-15, 2011-12 & 2009-10)
- Editor, Institute's Brochure (2009, 2015)
- Editor, Hindi News Letter Vol. 1

### **Technical support and guidance provided**

- Three B.Sc students of Jorhat Kendriya Mahavidyalaya, Kenduguri, Jorhat
- One M.Sc. student of Vinayaka Mission University, Directorate of Distance Education, Salem, Tamil Nadu for fulfillment of their project works

**Place : Lahdoigarh, Jorhat**

**Date : 18.03.16**

**(URMIMALA HAZARIKA)**