

Faculty Profile

Title : Dr

Name : Lakshmi Hijam

Father's Name: Prof. Hijam Rajendra Singh

Present Designation: Assistant Professor

Present Address: Department of Genetics & Plant Breeding, Uttar Banga Krishi Viswavidyalaya

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Permanent Address: Sagolband Tera Tongbram Leikai, Imphal West, Manipur, 795001

Date of Birth: 10 March 1987

Caste: General

Marital Status: Unmarried

Academic Qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
Ph. D in Agriculture	2015	Bidhan Chandra Krishi Viswavidyalaya	Plant Breeding	89.2%
M.Sc.(Ag) in Agriculture	2010	Bidhan Chandra Krishi Viswavidyalaya	Plant Breeding	88.0%
B.Sc. (Ag) Hons	2008	Assam Agricultural University	Elective: Plant Breeding & Genetics Optional: Plant Pathology	79.4%
Higher Secondary	2004	Council of Higher Secondary Education Manipur		65.2%
Madhyamik	2002	Board of Secondary Education Manipur		80.6 %
Qualified NET	2013	Agricultural Scientist Recruitment Board		65%
Any other				

Teaching experience and associated courses

UG Course: Unrevised

Revised (on the basis of the 4th Dean's committee recommendation)

Course No. (Cr. Hr)	Name of course
GPB 101 (2+1)	Crop Physiology
GPB 406 (1+2)	Molecular Diagnostics
GPB 251 (2+1)	Breeding of Field/ Horticultural Crops
GPB 201 (2+1)	Principles of Plant Breeding
GPB 401 (1+2)	Molecular Breeding

PG Course: M.Sc (Ag)

Course No. (Cr. Hr)	Name of course
GP 510 (2+1)	Breeding for Biotic and Abiotic stress resistance
SST 509 (2+1)	Seed Physiology
GP 507 (2+1)	Heterosis Breeding
GP 509 (2+1)	Biotechnology for crop improvement
GP 503 (1+2)	Principles of Plant Breeding

Ph.D

Course No. (Cr. Hr)	Name of course
GP 503 (1+2)	Principles of Plant Breeding
GP 510 (2+1)	Breeding for Biotic and Abiotic stress resistance
GP 509 (2+1)	Biotechnology for crop improvement
GP 513 (2+0)	Breeding for quality traits
GP 605 (2+0)	Advances in Plant Breeding
GP 607 (2+1)	Breeding designer crops



Other academic activity:

Previous working Experience: NA

Academic Supervising Experience:

Project Exposure and Consultancy:

- 1) Associated scientist , AICRP –Vegetable Crop (Volunteer Centre)
- 2) Co-Pi, institutional project, A study on exploration, characterization and conservation of brinjal germplasm in Eastern India
- 3) Associated scientist for Central Germplasm Conservation Unit

Academic Society Association:i) Life time member in Indian Society of Genetics and Plant Breeding, New Delhi

ii) Life time member in Crop and Weed Science Society, B.C.K.V, Mohanpur, West Bengal

Training Course coordination: NA

Administrative experience: NA

Extra curricular Activity:

University literature publication:NA

Rural Agricultural Work Experience involvement:

Resource person:

Reviewer: Reviewer and has contributed to the quality and success of journal Bioinfo Publications

Training Programme Participation: Participated in ICAR sponsored short course on “Quality Improvement, biofortification and product development in rice for nutritional and financial Security of rice farmers, Sept 1-10, 2015, IIRR, Rajendranagar, Hyderabad

Scholarships/Fellowships: NA

Award: NA

External expert:

Publication:

Full Papers in International Journal:

Full Papers in National Journal :

Review paper:

Research note/ short communication in National Journal:

Extension Literature/Article:

Proceedings paper:

Book Chapters :

Books:

Abstract published:

List of Publications (Citation style)

Research Papers in International Journal: 1) Influence of root characters on drought resistance in rice (*Oryza sativa* L.). Lakshmi Hijam, Sujaya Das Dewanjee and K.K.Sarkar.(The Indian Journal of Genetics and Plant Breeding, 72 (2):221-225(2012).

2)). Evaluation of root characters and its relation to drought resistance in rice (*Oryza sativa* L.). Lakshmi Hijam and K.K.Sarkar.Oryza Vol. 50(3), 231-236(2013)

Research Papers in National Journal: 1) Inheritance and association of traits in wheat (*Triticum aestivum* L.) related to yield and chapatti making quality. K.K.Sarkar, B.C. Nandeshwar, S.Mukherjee, A.B. Mandal, S.Das, L. Hijam and A. Maji.(Journal of Crop and Weed 7(2):7073(2011)

2) Genetic control and character association estimates of yield and attributing traits in some mungbean genotypes. Elizabeth B.Khaimichho, Lakshmi Hijam, K.K.Sarkar and S.Mukherjee. *Journal of Crop and Weed* 10(2):82-88

A.

B. Review paper: NA

D. Research Notes/Short Communication in National Journal: 1) Assessment of high yielding rice genotypes with some yield attributing traits. Lakshmi Hijam, B.C. Nandeshwar and K.K.Sarkar. (*Journal of Crop and Weed* 7 (2):234237(2011).

E. Conference Proceedings:

- 1) Assessment of genetic variability on yield attributing traits in some rice genotypes. L.Hijam, K.K.Sarkar, B.C. Nandeshwar, S. Mukherjee, A.B.Mandal, A.Maji and K.K.Panigrahi. **International Symposium on System Intensification towards food and environmental security.** February 24-27, 2011, BCKV, Kalyani.
- 2) Variability and inheritance of fibre yield and its associated traits in white jute (*Corchorus capsularis* L.). S.Mukherjee, Anushree, K.K.Sarkar, P.Bandopadhyay, A.K.Pal and L.Hijam. **International Symposium on System Intensification towards food and environmental security.** February 24-27, 2011, BCKV, Kalyani.
- 3) Variability and inheritance of yield and quality traits in rice. Lakshmi Hijam, K.K.Sarkar and B.C.Nandeshwar. **National Seminar on Contemporary Approaches to crop improvement,** April 22-23, 2011 UAS Bangalore.
- 4) Genetics and character association of traits controlling quality of grain rice. K.K.Sarkar, B.C. Nandeshwar, Roshan Yelne, Sujaya Das, Lakshmi Hijam, Atul Pradhan and Subhra Mukherjee. **National Seminar on Contemporary Approaches to crop improvement,** April 22-23, 2011 UAS Bangalore.
- 5) Influence of root characters on drought resistance in rice (*Oryza sativa* L.). Lakshmi Hijam, Sujaya Das Dewanjee and K.K.Sarkar. **National Seminar on Plant Genetic Research for eastern and North East India.** May 11-12, Umam, Meghalaya.
- 6) Root architecture and drought resistance in rice (*Oryza sativa* L.). Lakshmi Hijam, Sujaya Das Dewanjee and K.K.Sarkar. **International Conference on Sustainable Agriculture for Food and Livelihood Security,** November 27-29, 2012.
- 7) Breeding for increase quality and nutrient content in Rice (*Oryza sativa* L.). Lakshmi Hijam and K.K. Sarkar. **National Seminar on Environmental Issues: Protection, Conservation & Management,** 22-23 November, Visva-Bharati, Santiniketan.
- 8) Studies on genetic variability and character association for yield and attributing characters in Mungbean. Elizabeth B.Khaimichho, Lakshmi Hijam and K.K.Sarkar. **National conference on Biodiversity And Ecological Sustainability, 15th And 16th February 2014,** Puri, Odisha.
- 9) Breeding proposal for development of high yielding protein rich mungbean lines on the basis of genetic control of the characters of interest. Elizabeth B.Khaimichho, Lakshmi Hijam and K.K.Sarkar. **National Symposium On Sustainable Agriculture For Food And Nutritional Security In East And North East India: Prospect And Future,** March 01, 2014. Calcutta University.
- 10) Genetic Improvement for Enhancing Micronutrient Content in Rice. Lakshmi Hijam, K.K.Sarkar and S. Mukherjee and R.Patar. **National Conference On Adaptation and Mitigation Strategies of Climate Change for Sustainable Livelihood 5-7th March, 2014,** UTTAR BANGA KRISHI VISWAVIDYALAYA, Pundibari, Cooch Behar 736 165, West Bengal.
- 11) Breeding for development of rice with improved eating and nutritional qualities, Lakshmi Hijam, K. K. Sarkar, S. Mukherjee, B. Adhikari and Rupam Patar, **National Symposium on Crop Improvement for Inclusive Sustainable Development, November 7- 9, 2014, Punjab Agricultural University, Ludhiana.**
- 12) Genetic divergence studies for quality traits using d^2 and pca analysis in some rice genotype, **Lakshmi Hijam, K.K.Sarkar, S.Mukherjee and B. Adhikari, XII Agricultural Science**

- Congress “Sustainable Livelihood Security of Smallholder Farmers, 3-6th Feb 2015, NDRI, Karnal.
- 13) Combining ability studies for grain and nutritional quality in some rice crosses, **Lakshmi Hijam, K.K.Sarkar, S.Mukherjee and B. Adhikari**, “**National Seminar On Harnessing Science for Societal Development** “Organized by Assam Science Society AAU Jorhat Branch & Assam Science Society at Assam Agricultural University, Jorhat on 21st March 2015.
 - 14) **A Comparison on Glycemic index Values of Different Rice Varieties, Lakshmi Hijam and K.K.Sarkar, National Conference on “Bio resources Management for Sustenance of Ecosystem and Livelihood”** at Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar (WB) from 26-29th November, 2015.
 - 15) **Importance Of Breeding Rice With Low Glycemic Index, Lakshmi Hijam, K.K.Sarkar and S.Mukherjee, National Seminar on “Resource Based Inclusive Agriculture and Rural Development: Opportunities and Challenges”** at Faculty of Integrated Rural Development and Management, Ramkrishna Mission Vivekananda University, WB from 15-16 January 2016.
 - 16) **Evaluation for improved grain and nutritional quality in some rice genotypes Lakshmi Hijam, K.K.Sarkar, S.Mukherjee, B. Adhikari and Moumita Chakraborty**,

F. Extension literature/Article: NA

G. Book Chapters: 1 Physiology of forest seeds, Lakshmi Hijam and Tulsi saran Ghimiray, Forest Seed Science and Management, pp 4156, 2016

H. Books:NA

**Participation in International/ National/State level Conferences:
Details**

<i>Serial No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date (s)</i>	<i>Year</i>	<i>Duration (Days)</i>
1.	International Symposium on “System Intensification Towards Food & Environmental Security” organised by Crop and Weed Science Society, BCKV in collaboration with NABARD Kolkata,	BCKV, Kalyani, West Bengal	24-27 February	2011	4
2	National Seminar on contemporary Approaches to Crop Improvement organised by Indian Society of Genetics & Plant Breeding and University of Agricultural Sciences Bangalore, 22-23 April, 2011.	UAS, Bangalore	22-23 April	2011	2
3	International Symposium on Minor Fruits and Medicinal Plants for Health and Ecological Security organised by Faculty of Horticulture, BCKV, West Bengal,	BCKV, Kalyani, West Bengal	22 December	2011	1
4	National Seminar on Plant Genetic Research for Eastern and North-eastern India held during May 11-12, 2012 at the ICAR Research Complex for NEH Region,	Umiam, Meghalaya.	11-12 May	2012	2
5	International Conference on “Sustainable Agriculture for Food and Livelihood Security” organised by Punjab Agricultural University, Ludhiana, Punjab, November 27-29, 2012.	Punjab Agricultural University, Ludhiana, Punjab	27-29 November	2012	3
6	National Seminar on Environmental Issues: Protection, Conservation and Management organised by Department of Environmental Studies, Visva-Bharati & Institution of Public Health Engineers, India, 22-23 November, 2013.	Visva-Bharati	22-23 November	2013	2

7	National conference on Biodiversity And Ecological Sustainability, 15th And 16th February 2014, Puri, Odisha organised by S.C.S.(J) College, Puri, Odissa and Academy of Plant Sciences	Puri, Odisha	15-16 February	2014	2
8	National Symposium On Sustainable Agriculture For Food And Nutritional Security In East And North East India: Prospect And Future,	Calcutta University	1 March	2014	1
9	National Conference On Adaptation and Mitigation Strategies of Climate Change for Sustainable Livelihood 5-7 th March, 2014,	Uttar Banga Krishi Viswavidyalaya ,Pundibari, Cooch Behar 736 165 ,West Bengal.	5-7 th March, 2014	2014	3
10	National symposium on crop improvement for inclusive sustainable development ,PAU, 7 -9th Nov 2014	PAU,	7 -9 Nov	2014	3
11	X11 agricultural science congress, 3-6th Feb 2015,NDRI Karnal,	NDRI, Karnal	3-6 Feb	2015	4
12	National seminar on harnessing science for societal development, 21 March , AAU, Jorhat	AAU, Jorhat	21 March	2015	1
13	National Conference on “Bio resources Management for Sustenance of Ecosystem and Livelihood” at Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar (WB) from 26-29th November, 2015	UBKV, Pundibari	26-29 Nov	2015	4
14	National Seminar on “Resource Based Inclusive Agriculture and Rural Development:Opportunities and Challenges” at Faculty of Integrated Rural Development and Management, Ramkrishna Mission Vivekananda University, WB from 15-16 January 2016.	Ramkrishna Mission Vivekananda University, WB	15-16 Jan	2016	2

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Coochbehar

(Signature)