

Biodata of Dr. Jayanta Deka



1. Designation: Dean, Faculty of Agriculture

2. Date of Birth: 01/01/1959

3. Achievements:

- As a teacher in the Department of Agronomy, Assam Agricultural University, Jorhat taught different UG, PG and Ph. D. courses across various sections in Agronomy like Weed Science, Soil Fertility Management, Cropping System, Rainfed Farming, Organic Farming, Crop Production, Herbicide Biochemistry, Crop Modelling, Medicinal and Aromatic Plants etc.
- Actively took part in designing various courses of Agronomy at UG and PG levels.
- Guided 7 Ph.D students and, 12 M.Sc (Agri) students as major advisor. Acted as external examiner of Ph.D thesis of different universities like Tamilnadu Agricultural University, Birsa Agricultural University, Central Agricultural University (Imphal), Nagaland University, Uttarbanga Agricultural University etc.
- As a coordinator, designed and conducted one summer school on 'Crops and cropping systems management in high rainfall areas for sustainable agriculture' and one summer short course on 'Rice production strategy in rainfed ecosystem'sponsored by Indian Council of Agricultural Research in the Department of Agronomy.
- Authored 2 books, 8 book chapters, more than 60 research and review papers, many popular articles and extension bulletins. One of the books 'Fundamentals of Cereal Crop Production is in wide circulation in different universities.
- Acting as paper setter, evaluator and syllabus reviewer of different central services of Union Public Service Commission. Also served as Member of Board of Board of Post Graduate Studies of Nagaland University and paper setter and examiner of Nagaland University and CAU, Imphal.
- As a scientist and Principal Investigator of AICRP on Weed Science, contributed significantly towards generating and transferring weed management technologies for various crops, non-crop situations and weed utilization to package of practices for the state of Assam which have greatly benefitted the farmers of the state.
- By involvement in world bank funded NAIP project under Component, helped to demonstrate and transfer 3 IFS modules to about 5000 farm families in the disadvantaged districts of Assam, It brought about significant increase in farmers' income through these IFS modules and entrepreneurship development activities like egg hatchery, fish eco-hatchery, community aquaculture, horticulture nursery, vermicompost production etc.
- Executed many externally funded research projects through corporate funding and transferred outputs for registration as well

as recommendation.

- Served as Member of esteemed Research Advisory Council of ICAR-Indian Institute of Pulses Research, Kanpur during 2016-2019 The country achieved self sufficiency in pulse production in this period.
- Served as Councilor and Reviewer of different professional societies and journals.
- Significant contributions were made as Sr. Training Associate at KVK, Sivasagar during 2003-2007 through motivation, creating awareness and technology dissemination among farmers. One of the most significant contributions was the concept of 'Project Atmapratistha' as a successful model of public-private partnership involving various stakeholders which laid the foundation of Sundarpukhuri Milk Cooperative Society at Nazira, Sivasagar organizing milk producers' movement. The venture is profitably sustaining with increasing business of milk and milk products along with establishment of a milk processing plant.
- Successfully worked as National Facilitator through intervention of MANAGE, Hyderabad in the entire North East Indian states for world bank funded Extension Reforms Project and helped to prepare Strategic Research and Extension Plan of designated districts.

4. Educational Qualification (Graduation onwards):

S. No.	Institution Place	Degree Awarded	Year	Field of Study
1.	Assam Agricultural University, Jorhat	B.Sc (Agri)	1981	Agriculture
	G.B. Pant Univ. of Agri & Tech, Pantnagar	M.Sc (Agri)	1983	Agronomy
	Indian Agril. Res. Insitute, New Delhi	Ph. D.	1991	Agronomy

5. Position and Employment (Starting with the most recent employment):

S. No	Institution Place	Position	From (Date)	To (date)
1	Assam Agricultural University, Jorhat	Dean, Faculty of Agriculture	01.09.2018	Till date
2	Assam Agricultural University, Jorhat	Principal Scientist & PI, AICRP on Weed Management, AAU, Jorhat	05.06.2007	31.08.2018
3	Assam Agricultural University, K.V.K., Sivasagar	Sr. Training Assoc.	19.06.2003 (in the rank of Assoc. Professor) 01.01.2005 (in the rank of Professor)	04.06.2007

4	Department of Agronomy, AAU, Jorhat	Assoc. Professor	02.09.1994	18.06.2003
5	Department of Agronomy, AAU, Jorhat	Asst. Professor	01.01.1986	01.09.1994
6.	Assam Agril. University, Jorhat	Sr. Research Asst.	10.01.1984	31.12.1985

6. Honours/Awards:

S.No.	Name of the Award/ Fellowship/ Honour	Name of the Awarding organization/Society/ Academy	Year of Award	Significant contribution
1.	AAU Junior Fellowship	Assam Agricultural University	1981	For manpower development in specialized areas
2.	IARI Senior Fellowship	Indian Agricultural Research Institute, New Delhi	1987	Specialization in rainfed farming and cropping systems
3.	Best Poster Award	Soil Conservation Society of India	2015	Significant contribution to research
4.	Recognition of Excellence	UPL Group of Companies	2009	Significant contribution towards organizing Farmers' Field School
5.	Reviewer Excellence Award	ARCC Journals (Legume Journal)	2021	Recognition & significant contribution to the journal as reviewer
6.	Member, Research Advisory Council	ICAR-Indian Institute of Pulses Research, Kanpur	2016	Contributed towards self-sufficiency in pulse production in the country
7.	Member	Secondary Education Board, Assam	2018	Recognition and contribution to smooth conduct of secondary education in Assam
8.	Member	Assam Higher Secondary Education Council	2018	Recognition and contribution to smooth conduct of higher secondary education in Assam, introduction of certificate courses on agriculture at higher secondary level
9.	Member, National Steering Committee, Fifth International Agronomy Congress	Indian Society of Agronomy	2021	Professional recognition

7. Professional Experience:

S.No.	Position	Society/ Organization	Year	Contribution to the Society
1.	Councilor	Indian Society of Agronomy	2015-17	Contributed towards reforming the society and supporting various new

				initiatives undertaken
2.	Member, Editorial Board	Indian Journal of Agronomy	2017 till date	Reviewed various research articles and helped in upgrading quality of the journal
3.	Councilor	Indian Society of Weed Science	2011-16	Supported the process of strengthening the society and various activities like National Conference, Asian Pacific Weed Science Conference, publications
4.	Reviewer	ARCC-Legume Research	2016 till date	Ensured efficient review which helped to maintain a good NAAS ranking of journal.
5.	Reviewer	National Institute of Science Communication and Information (Indian Journal of Traditional Knowledge)	2010	Reviewed research articles
6.	Reviewer	Central Muga Eri Research & Training Institute (CMER & TI), Lahdoigarh, Assam under Central Silk Board	2001-04	Reviewed research projects for internal funding

8. Research Projects (Continuing/completed)

S.No.	Name of the Project	Position (PI/Co-PI)	Year of project	Significant contribution
1.	Livelihood promotion through integrated farming systems in Assam (in consortium mode)	Co-PI	01-06-2008-31- 03-2014	Demonstrated and transferred 3 IFS modules along with entrepreneurship development activities to about 5000 farm families in the disadvantaged districts of Assam, bringing about significant increase in farmers' income
2.	Evaluation of phytotoxicity and bio- toxicity of herbicide (BCS AA 10717-2 % + Glyphosate 40-42 % in tea from Bayers Crop Science	PI	2012-13	Tested, certified and recommended the product
3.	Performance of Glyphosate 41 % SG against grassy and broad-leaved weeds in young tea from Horizon	PI	2012-13	Tested, certified and recommended the product

	Molecules Pvt. Ltd.,			
4.	Performance of Glyphosate 71 % SG in tea from Makhteshim Agan,	PI	2013-14	Tested, certified and recommended the product
5.	Bioefficacy evaluation of GPH 315 on tea from UPL Ltd,	PI	2016-17	Tested, certified and recommended the product
6.	Bioefficacy evaluation Glyphosate 41%SL & 71% SG on tea from Indofil Industries,	PI	2016-17	Tested, certified and recommended the product
7.	Bioefficacy evaluation of Paraquat 24 SL on tea from Syngenta,	PI	2016-17	Tested, certified and recommended the product
8.	Bioefficacy evaluation of Glyphosate 41 % SL on tea from Meghmani,	PI	2016-17	Tested, certified and recommended the product
9.	Bioefficacy evaluation of Glyphosate 41 % SL on non crop situation from Meghmani,	PI	2017-18	Tested, certified and recommended the product
10.	Bioefficacy evaluation of Indaziflam 500 SC on tea from Bayers Crop Science,	PI	2017-18	Tested, certified and recommended the product
11.	Bioefficacy evaluation of MCPA 750 SL on tea from Excel Crop Care,	PI	2015-16	Tested, certified and recommended the product
12.	Bioefficacy evaluation of 2, 4, D Amine salt 58 % SL on potato from Makhteshim	PI	2014-15	Tested, certified and recommended the product
13.	Bioefficacy evaluation of Bispyribac S on DS rice from Makhteshim	PI	2014-15	Tested, certified and recommended the product
14.	Bioefficacy evaluation of MAHARM – 07 against weeds in non crop area from Makhteshim,	PI	2013-14	Tested, certified and recommended the molecule
15.	Bioefficacy evaluation of SAATHI in direct and transplanted rice from M/S UPL	PI	2014-15	Tested, certified and recommended the molecule
16.	Bioefficacy evaluation of Oxadiargryl 80 wp	PI	2012-13	Tested, certified and recommended the

	(Top star wp) on cabbage from M/S Bayer Crop Science			molecule
17.	Bioefficacy evaluation of Indaziflam and Glyphosate – 400 : 420 SC in mixed weed from M/S Bayer Crop Science	PI	2014-15	Tested, certified and recommended the molecule
18.	Bioefficacy evaluation of MASCH – 01 on potato from ADAMA India Pvt. Ltd.	PI	2015-16	Tested, certified and recommended the molecule
19.	Bioefficacy evaluation of Glufosinate Ammonium 13.5 % SL on tea from ADAMA India Pvt. Ltd.,	PI	2014-15	Tested, certified and recommended the molecule
20.	Evaluation of Carfentrazone + Glyphosate (0.5 % + 36 %) premix for total weed control in tea from M/S FMC India Pvt. Ltd	PI	2015-16	Tested, certified and recommended the molecule
21.	Evaluation of Carfentrazone + Glyphosate (0.5 % + 36 %) premix for total weed control in non-crop areas from M/S FMC India Pvt. Ltd.	PI	2014-15	Tested, certified and recommended the molecule
22.	Glyphosate 71 % ammonium salt for bio-efficacy in non-crop situation from Krishi Rasayan Export Pvt. Ltd.	PI	2016-17	Tested, certified and recommended the molecule

9. Important Publications:

a. Peer Reviewed Research/Review Articles (last 5 years)

1.	Deka, J., Kakati, P. and Barua, I.C.	2016	Weed dynamics in direct-seeded autumn rice-transplanted winter rice sequence.	Int. J. Sci Environ. Tech.	5(6):4179-4185
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2.	Borah, Nilay, Deka, J., Deka, N.C., Barua, I.C., Sharma, K.K., Maibangsa, S., Hazarika, S, Bhattachaya, S. and Goswami, K.	2017	Enhancing rainfed upland rice productivity through plant density, weed and nutrient management.	. Int J. Agric. Sci.	9(25): 4296-4303
3.	Barua, Iswar Chandra, Deka, Jayanta, Devi Mitali, Deka, Rajib L. and Moran, Janmoni	2017	Weeds as emerging threat to biodiversity: a consequence of spread of <i>Ludwigia peruviana</i> in Dhansiri and Kopili catchment areas of Assam, North East India.	Curr. Sci	112(9):1904-1914
4.	Mahanta, K., Dutta, P., Nath, D.J., Deka, J., Barua, I.C., Deka, N.C. and Sarma, A.K.	2017	Long term application of herbicides on soil microbial demography in rice-rice cropping sequence of North-East India.	Indian J. Weed Sci	49(4): 317-323
5.	Gogoi, Bonti and Deka, Jayanta	2017	Integrated weed management in chilli (<i>Capsicum annuum</i>) grown after rice(<i>Oryza sativa</i>) under rice-fallow system	Indian J. Agron.	62(3): 348-353
6.	Mahanta, Kaveri, Sarma, A. and Deka, J.	2018	Metribuzin dissipation pattern in soil and its residue in soil and chilli	Indian J. Weed Sci.	50(4): 405-407
7.	Gogoi, Arunima, Talukdar, M. C., Basumatary, A., Baruah, U. and Deka, J.	2018	Soil site suitability evaluation of crops for Darika watershed of Assam.	Int. J. Curr. Microbiol. App. Sci.	7(10): 3214-3224.
8.	Barua, A. and Deka, J.	2018	Effect of chemical weed management practices in Ginger (<i>Zingiber officinale</i> Rosc.) under different intercropping systems with cowpea.	Int. J. Curr. Microbiol. App. Sci.	7(11): 1261-1269
9.	Barua, A. and Deka, J.	2018	Nutrient uptake under intercropping systems of ginger and cowpea and weed management practices.	Int. J. Curr. Microbiol. App. Sci.	7(11): 2858-2870
10.	Barman, D.M., Deka, J., Deka, N.C., Borah, N. and Baishya, A.	2018	Influence of planting methods, intercrop and integrated weed management practices on yield of turmeric (<i>Curcuma domestica</i> Val.).	J. Agric. Crops.	4(4): 29-35
11.	Bora, A. R., Deka, J., Barua, I. C. and Barman, B	2019	Management of <i>Mikania micrantha</i> in young robusta coffee plantation of Karbi Anglong district of Assam.	Int. J. Curr. Microbiol. App. Sci.	8(3): 1004-1013.
12.	Bora, A. R., Deka, J. and Barua, I. C.	2019	Weed dynamics in rejuvenated Robusta coffee plantation of Jorhat district of Assam, India. .	Int. J. Curr. Microbiol. App. Sci.	8(4): 895-899

13.	Bora, Atiqur Rahman, Deka, Jayanta, Barua, Iswar Chandra and Barman Bijaya	2019	Intensity of <i>Mikania micrantha</i> in coffee and other plantations of Karbi Snglong district, Assam.	Indian J. Weed Sci	51(1): 95-97.
14.	Barua, A. and Deka, J.	2019	Effect of inter-cropping and weed management on the economics of ginger production.	Int. J. Curr. Microbiol. App. Sci.	8(10): 2275-2281
15.	Gogoi, B. and Deka, J.	2019	Effect of integrated weed management on direct seeded upland rice under rainfed conditions of Assam.	J. Crop Weed	15(2): 132-143
16.	Barua, A. and Deka, J.	2020	Weed management for higher productivity of ginger (<i>Zingiber officinale</i>).	Curr. J. App. Sci Tech.	39(31):21-28
17.	Barua, A. and Deka, J.	2020	Assessing crop growth indices of Nadia variety of ginger (<i>Zingiber officinale</i> Rosc.) under legume intercropping and weed management practices	Curr. J. App. Sci Tech.	39(46):74-81

18.	Borah, Nilay., Deka, J., Deka, N.C., Barua, I.C., Saud, B.K., Das, Kaushik, Deka, Kankana, and Goswami Kasturi	2020	Soil fertility status, nutrient uptake and productivity of marigold (<i>Tagetes erecta</i> Linn.) as influenced by fertilizer doses and plant growth regulators	Curr. J. App. Sci Tech.	39(24): 53-65.
19.	Goswami, Kasturi, Das, Kulendra Nath , Bhattacharyya, Debojit , Medhi, Binay Kumar, Deka , Jayanta and Deka, Rajib Lochan	2020	Effect of Crude Oil Spillage on Chemical Properties of Soils of Moran and Duliajan Oil Fields of Assam	Int. J. Agriculture, Environment and Biotechnology	13(2):253-260
20.	Borah, Nilay., Deka, N.C., Deka, J., Barua, I.C Medhi, B.K., Hazarika, Kailash, Saikia Mitul and Goswami, Kasturi	2020	Substitution of mineral fertilizer in transplanted rice through nutrient and weed management with herbicide-complizer mixture	J. Nat. Res. Cons. Management	1(1):54-68
21.	Phukan, Jimni and Deka, Jayanta	2021	Weed dynamics, crop growth and yield as affected by different weed management practices and plant growth promoting rhizobacteria in direct-seeded upland rice	Indian J. Weed Sci.	53(1):36-40
22.	Barua, Aparna and Deka, Jayanta	2021	Effect of intercropping system and weed management on ginger (<i>Zinger officinale</i>) rhizome and oil yield in acidic soil condition.	The Pharma Innov. J.	10(5): 1398-1402.
23.	Phukan Jimni and deka, Jayanta	2021	Deleterious rhizobacteria as a potential bioherbicide- a review	Int. J. Agri and Envirn. Sci	8(2):1-5

b. Books

Sl No.	Details
1.	Mahendra Pal, J. Deka, and R.K.Rai (1996). Fundamentals of Cereal Crop Production. Tata McGraw Subsidized by National Book Trust.
2.	J. Deka and Iswar Chandra Barua (2004). Sugandhi and Ausadhi Sayar Byabasayik Utpadan. Dutta Printers and Publishers. (In Assamese)

c. Book Chapters

Sl. No.	Details
1.	K.N.Singh and J. Deka (1990). Integrated nutrient supply system for sustainable crop production. In: Agronomic Research Towards Sustainable Agriculture. Indian Society of Agronomy, New delhi.
2.	J. Deka (2002). Krishi aru iyar bibartan. In: Biswakosh Bijnan VolIII pp 1122-1128.(In Assamese)
3.	J. Deka, U.K.Baruah, S. Saikia, R.K.Talukdar, N.C.Deka and P.K.Gogoi

	(2008). Designing a sustainable livelihood project for disadvantaged districts of Assam. In: Agriculture based livelihood promotion pp 24-37. The Livelihood School, Hyderabad.
4.	R.K.talukdar, P.K.Gogoi, N. Deka, J. Deka, T. Brahma, Ankur Rajbanshi and Bipul Phukan (2010). Fish business through community hatchery in disadvantaged districts of Assam. In: Agri-business potentials in India- Experiences from hill states. Eds. Ram Singh, Dibakar Naik and S. M. Feroze, pp 373-379. EBH Publishers(India).
5.	J. Deka, P.K.Gogoi, N.C.Deka, T.C.Brahma and U.K.Barua (2012). New Dimension for ensuring rural livelihood security in Assam. In Manselkenka, Souvenir published by Organizing Committee Dudhnoi Regional Rabha Students Union.
6.	I.C. Barua and J. Deka. (2016). Weed invasion and management. In Advances in weed management,. In: Weed Science and Management eds N.T.Yaduraju, A.R.Sharma and T.K.Das, Indian society of weed Science and Indian Society of Agronomy. pp: 271-292.
7.	Kaberi Mahanta, N. Bora, J. Deka, and I. C. Barua (2019).Herbicide Residues in Rice–Based Cropping Systems in Assam. In: Herbicide Residue Research in India eds Sobha Sondhia, Parha P. Choudhury and A.R. Sharma. Environmental Chemistry for a Sustainable World Vol. 12 Springer Nature Singapore Pte Ltd. pp:305-324.
8.	Aparna Barua and Jayanta Deka (2020).Integrated Weed Management in Ginger (<i>Zingiber officinale</i>) for Higher Productivity in Plains of Assam New Ideas Concerning Science and Technology Vol. 12:pp 78-85.

d. Conference Papers: 40 nos.(list to be added)

e. Students' Thesis: 7 Ph.D. and 12 M.Sc(Agri) students

f. Newspaper/Web Article (popular)

1.	Jayanta Deka (2020). COVID 19: agriculture, food security and livelihood. June 2 p. 4.
2.	Sushil Kumar and Jayanta Deka (2015). Weed utilization. In: Indian Farming 65(7)73-75.
3.	Jayanta Deka and Nripendra Nath Pujari (2008). Glory of the green gold of North East India. In: Intensive Agriculture, January-June, 2008:pp 47-50.
4.	J. Deka, P. Nath, D.K.Gogoi and Vikram Singh (2006). Project Atmapratistha- an inspiring public private partnership in Assam. In: Public-Private Partnership for Agricultural Development, MANAGE, Hyderabad, pp 24-28.
5.	J. Deka(2004). Aparamparagata sasya gehur safal kheti. In: Ghare Pathare, 3 rd issue, November, 2005.
6.	J. Deka(2004). Santrashkari apatrin Parthenium. In: Dainik Janambhumi, Saturday, 4 th September. (in Assamese)
7.	J. Deka(2004). Banpanir pisot ki kheti koribo. In: Purbanchal Abhimat Ist year 2 nd issue, 2004(in Assamese).
8.	J. Deka(2004). Lachit Chilarai Mulagabharu, Rongdoik janene? Bharun pathar sonowali sapon. In: Purbanchal Abhimat Ist year 8 nd issue, 2004 (in Assamese).
9.	J. Deka and E. Phukan(2003). Sibisagar jilar artha samajik bikasot krishi vigyan kendrar bhumika. In: Souvenir, Krishak Samaroh 29-30 December, 2003.(in Assamese)
10.	J. Deka (2000). Asomot ghehu khetir krishi padhwati. In: Ghare Pathare 12 th issue,

	October, 2000. (in Assamese)
11.	J. Deka and R.K.Talukdar (2000). Research feats. In: The Eastern Clarion, Saturday, October 14.
12.	J. Deka (1993). Watershed management. In: The Eastern Clarion, Tuesday, October 12.
13.	J. Deka(1994). Riha khetir diha. In: Seuj Chinta 2(1):16 (in Assamese)
14.	Mahendra Pal, J. Deka and R. K. Rai (1990). Good weather code I- Augmenting crop production in rainfed areas. In: Indian farming In: Indian farming 40(2):3-7.
15.	Mahendra Pal, J. Deka and R. K. Rai (1990). Good weather code II- Augmenting crop production in areas with assured irrigation.40(1):3-8.

g. Bulletins : 20 nos.(list to be added)