

Faculty Profile

Title : Roy

Name : Suvendu Kumar

Father's Name: Late Narendra Kumar Roy

Present Designation: Associate Professor

Present Address : Department of Genetics and Plant Breeding, Faculty of Agriculture, Uttar Banga Krishi Viswavidyalaya, P.O.-Pundibari, Dist.-Cooch Behar, West Bengal Pin-736165

Tel/ Fax No.: 91-9434872338 / 91-9932698321

E-mail: suvendukumarroy@gmail.com

Permanent Address: 156/P.O.-Nandan Nagar, Belgharia , Kolkata-700083, West Bengal

Date of Birth : 07.08.1975

Caste : General

Marital Status : Married

Academic Qualification:



Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
Ph. D in Agriculture	2007	B.C.K.V.	Plant Breeding	NA
M.Sc.(Ag) in Agricultural Extension	2000	B.C.K.V.	Plant Breeding	81.6
B.Sc. (Ag) Hons	1998	B.C.K.V.	(i) Genetics and Plant Breeding (ii) Biochemistry & Agricultural Chemistry	73.2
Higher Secondary	1993	C.B.S.E.	English, Physics, Chemistry, Mathematics, Biology	81.6
Madhyamik	1991	C.B.S.E.	English, Hindi, Mathematics, Science, Social Studies	78.4
Qualified NET	2004	I.C.A.R.	Plant Breeding	
Any other	-	-	-	-

Teaching experience and associated courses

UG Course: Unrevised - Nil

Item	Details	Year(s)	Individual / Collaborative
UG Course - Revised (on the basis of the 4th Dean's committee recommendation)	1. Course No. GPB-101, Title: Crop Physiology, Credits: 2+1	2006, 2008, 2007, 2010, 2013	Collaborative
	2. Course No. GPB-151, Title: Principles of genetics and cytogenetics, Credits: 2+1	2007	Collaborative
	3. Course No. GPB-201, Title: Principles of Plant Breeding, Credits: 2+1	2008, 2009, 2010, 2011, 2013	Collaborative
	4. Course No. GPB-251, Title: Breeding of Field/Horticultural Crops, Credits: 2+1	2008, 2009, 2010, 2011, 2012, 2015	Collaborative
	5. Course No. GPB-353, Title: Seed Physiology, Credits: 1+0	2009	Collaborative
	6. Course No. GPB-401, Title: Molecular Breeding, Credits: 1+2	2010, 2014	Collaborative
	7.		
	8. Course No. GPB-402, Title: Plant tissue culture, Credits: 1+3	2015, 2016	Collaborative
	9.		
	10. Course No. GPB-406, Title: Molecular Diagnostics, Credits: 1+2	2010, 2011, 2012, 2013, 2014	Collaborative

PG Course : M.Sc (Ag) in Genetics and Plant Breeding	1. Course No. GPB-502, Title: Principles of cytogenetics, Credits: 2+1	2015	Collaborative
	2. Course No. GPB-503, Title: Principles of Plant Breeding, Credits: 2+1	2010, 2013	Collaborative
	3. Course No. GPB-504, Title: Principles of Quantitative Genetics, Credits: 2+1	2010, 2013, 2015, 2016	Collaborative
	4. Course No. GPB-507, Title: Heterosis Breeding, Credits: 2+1	2011, 2015	Collaborative
	5. Course No. GPB-508, Title: Cell Biology and Molecular Genetics, Credits: 2+1	2014	Collaborative
	6. Course No. GPB-513, Title: Breeding for quality, Credits: 2+1	2015	Collaborative
	7. Course No. GPB-559, Title: Plant Breeding Methods, Credits: 2+1	2009	Collaborative
	8. Course No. GPB-654, Title: Tissue Culture - II, Credits: 2+1	2009	Collaborative
	9. Course No. SST-516, Title: Database Management, Evaluation and Utilization of PGR, Credits: 2+1	2012	Collaborative
Ph. D.	1. Course No. GPB-602, Title: Advances in Quantitative Genetics, Credits: 2+1	2014, 2015, 2016	Collaborative
	2. Course No. GPB-604, Title: Cellular and chromosomal manipulation in crop improvement, Credits: 2+0	2012, 2013, 2014, 2015	Collaborative
	3. Course No. GPB-605, Title: Advances in plant breeding, Credits: 2+0	2012	Collaborative
	4. Course No. GPB-701, Title: Advances in genetics, Credits: 2+1	2009	Collaborative

Other academic activity :

1. Officer-in-charge, AINP on Jute & Allied Fibres, since 11.05.2011
2. Member, University Research Council, since 10.02.2012
3. Member, Purchase Committee, Office of the Director of Research, since 12.05.2014
4. Convenor, Examination Committee, since 20.11.2014
5. Member, Faculty Council, since 20.11.2015
6. Member, Farm Development Committee, since 10.05.2016
7. Member, Report and Documentation Cell, since 07.09.2016
8. Member, Central Germplasm Conservation Unit, since 16.06.2016

Previous working Experience:

Title of the Project	Whether PI / Co-PI / Associate	Duration	Category
1) All India Coordinated Research Project (AICRP) on Medicinal and Aromatic Plants	Plant Breeder (Assistant Professor)	1 year (2005-06 to 2006-07) <u>Joined on 07.04.2005 and left on afternoon of 19.06.2006</u>	AICRP, sponsored by ICAR-NRCMAP, Anand, Gujarat, as the lead centre
2) All India Network Project (AINP) on Jute & Allied Fibres	Initially as Junior Breeder (Assistant Professor) and then as Officer-in-Charge, from 2011-12 to 2014-15	8 years (2006-07 to 2014-15) <u>Joined on forenoon of 20.06.2006 and left on forenoon of 20.05.2014</u>	AINP, sponsored by ICAR-CRIJAF, Barrackpore, Kolkata, as the lead centre

Academic Supervising Experience:

M.Sc. (Ag.) in Genetics and Plant Breeding : No. of students supervised: **1**, Name: Mr. N. V. Ashokappa, Year of Passing: 2012
Ph. D. in Genetics and Plant Breeding : No. of students supervised: **1**, (Mr. Kale Vinod Ashok, Year of Passing: 2014)

Project Exposure and Consultancy: Yes (as mentioned below)

<i>Projects handled since joining on 07.04.2005</i>				
Title of the Project	Whether PI / Co-PI / Associate	Duration	Category	Major Accomplishments
1. All India Coordinated Research Project (AICRP) on Medicinal and Aromatic Plants	Plant Breeder (Assistant Professor)	1 year (2005-06 to 2006-07)	AICRP sponsored by ICAR-NRCMAP, Anand, Gujarat, as the lead centre	Initiating the acclimatization process of the endangered medicinal plant species " <i>Swertia chirayita</i> " from the higher altitudes of Lava (6000 feet above MSL) Dist. Darjeeling, to the RRS Kalimpong (3500 feet above MSL), UBKV
2. All India Network Project (AINP) on Jute & Allied Fibres	Initially as Junior Breeder (Assistant Professor) and then as Officer-in-Charge from 2011-12 to 2014-15	8 years (2006-07 to 2014-15)	AINP sponsored by ICAR-CRIJAF, Barrackpore, Kolkata, as the lead centre	Conducting the experiments under Crop Improvement Division involving the crops under Jute & Allied Fibres like mesta, ramie and flax. Developed new superior genotypes of jute (both <i>Corchorous olitorius</i> and <i>Corchorous capsularis</i>) and submitted the same as entries on behalf of UBKV at the annual workshop of AINP-JAF conducted by ICAR-CRIJAF. Started the TSP programme of jute in collaboration with ICAR-CRIJAF at Kumargram area of Alipurduar district, West Bengal, and carried out MOU with different NGOs like "Tufanganj Anwasha Welfare Society" (TAWS) and "Satmile Satish Club o Pathagar" (SSCOP) for the implementation of the TSP on jute.
3. Evaluation and selection of improved jute variety for finer quality fibre.	Cooperating Centre Principal Investigator (CCPI) with CRIJAF, Barrackpore as the lead centre	5 years (2006-07 to 2011-12)	Sponsored by ICAR-CRIJAF	Isolated tossa jute (<i>Corchorous olitorius</i>) genotypes with appreciable yield and superior fibre quality. Some of the superior genotypes were submitted as new entries from UBKV in the Annual Workshop of Jute & Allied Fibres.
4. Collection, characterization and selection of superior plant type for mass multiplication and development of HYV / Hybrid Variety of <i>Jatropha curcas</i> for better yield and oil content for North Bengal and Assam.	Co-PI	7 years (2008-09 to 2015-16)	Sponsored by NOVOD Board, Ministry of Agriculture, Govt. of India	Collected and characterized superior <i>jatropha</i> germplasm collections from different regions of North Bengal, for yield and oil content. The Oil estimation was done by the NOVOD Board.
5. Regional Research Station (RRS) Programme on Mustard, UBKV	PI	4 Years (2009-10 to 2012-13)	Sponsored by UBKV under Regional Research Station (Terai Zone)	Several superior high yielding genotypes of mustard with high oil content were isolated which performed better than the standard local checks.
6. Improvement of traditional non-basmati aromatic rice genotypes of northern part of West Bengal through induced mutation.	Co-PI	3 years (2013-14 to 2016-17)	Sponsored by BRNS (BARC)	Isolated a few mutants of the rice variety Tulaipanji, which are superior with respect to earliness, while maintaining its standard yield.

Academic Society Association:

1. Life Member, Association of Rice Research Workers (ARRW), CRRI, Cuttack, India, Dt. 13.09.2007
2. Life Member, Indian Society of Genetics & Plant Breeding, New Delhi, India, Dt. 19.09.2007
3. Life Member, Indian Fibre Society, Mumbai, India, Dt. 24.01.2008
4. Life Member, Indian Society of Plant Genetic Resources, New Delhi, India, Dt. 22.07.2009
5. Life Member, Crop and Weed Science Society, Mohanpur, Nadia, West Bengal, India, Dt. 26.10.2010
6. Founder Member, Cooch Behar Association for Cultivation of Agricultural Sciences, Pundibari, Cooch Behar, West Bengal, India, Dt. 03.06.2013
7. Life Member, The Indian Natural Fibre Society, 12-Regent Park, Kolkata, West Bengal, India, Dt. 06.03.2014
8. Life Member, Indian Society of Plant Breeders, TNAU, Coimbatore, Tamil Nadu, India, Dt. 10.08.2015

Training Course coordination: Nil**Administrative experience:**

1. Performed the duty of Officer-in-charge, AINP on Jute & Allied Fibres, since 11.05.2011 and represented the University on behalf of AINP-JAF in three Annual Workshops of AINP-JAF during 2012, 2013 and 2014
2. Performed the duty of Convenor, Examination Committee, since 20.11.2014, arranging all the invigilation duties of the examinations and ensuring proper conduction of the examinations

Extra curricular Activity: Nil**University literature publication:** Nil**Rural Agricultural Work Experience involvement:** Yes**Resource person:** Yes (as mentioned below)

Title	Year	Duration	No. of beneficiaries	Co-ordinator/Associated
1. "Seed Production Technology in Mustard / rape" <u>conducted by Mega Seed Project, UBKV</u>	2010 (Date: 18.03.10)	One day	50 farmers	Associated
2. "Field visit to AINP on Jute & Allied" Fibres <u>conducted by Cooch Behar KVK</u>	2013 (Date: 23.03.13)	One day	40 farmers	Associated
3. "Integrated development of Tree Borne Oilseed in Waste land/degraded land" <u>conducted by NOVOD Board Jatropa Project</u>	2013 (Date: 26.03.13)	One day	80 farmers	Associated
4. "Jute Seed Production under North Bengal condition" <u>conducted by AINP on Jute & Allied Fibres, UBKV under TSP on Jute</u>	2013 (Date: 12.09.13)	One day	100 tribal farmers	Co-ordinator
5. "Training on Jute cultivation and seed production" <u>conducted by AINP on Jute & Allied Fibres, UBKV under TSP on Jute</u>	2014 (Date: 09.09.14)	One day	100 tribal farmers	Associated
6. "Improved technology for fibre production of jute" <u>conducted by AINP on Jute & Allied Fibres, UBKV under TSP on Jute</u>	2015 (Date: 17.01.15)	One day	100 tribal farmers	Associated
7. "New Improved varieties of Jute & Mesta and their role in increasing productivity" <u>conducted by Department of Agriculture, Govt. of West Bengal</u>	2015 (Date: 24.03.15)	One day	50 KPS	Associated
8. "Technological advances for quality fibre production of jute" <u>conducted by AINP on Jute & Allied Fibres, UBKV under TSP on Jute</u>	2015 (Date: 27.03.15)	One day	100 tribal farmers	Associated

Reviewer:

1. Oryza, CRRI, Cuttack, Orissa
2. Journal of Crop and Weed, BCKV, West Bengal
3. Journal of Agriculture and Technology, UBKV, Cooch Behar, West Bengal

Training Programme Participation: 8 (as mentioned below)

Sl. No.	Seminar/ Symposium/ Workshop/ Training (Mention category)	Year	Organizing Institute	Title of the Seminar/ symposium/ workshop/Training	Duration (days)
1	Training	2004	ICAR-CRIJAF, Barrackpore	Conservation and Evaluation of Germplasm for Higher Yield and Quality with special reference to Jute and Allied Fibres	5
2	Training	2007	ICAR-CRIJAF, Barrackpore	Improved Production Technology for Jute and Allied Fibre Crops	8
3	Training (Winter School)	2007	ICAR-CRRI, Cuttack, Orissa	Molecular Breeding approaches for Rice Improvement	21
4	Training	2009	Directorate of Cotton Development, Ministry of Agriculture and ICAR-CRIJAF	Natural Fibre of India	2
5	Training	2009	ICAR-CRIJAF, Barrackpore at	Use of Molecular Markers in Jute	31
6	Training	2010	ICAR-CRIJAF, Barrackpore	Training-cum-Awareness Programme on PPV & FRA	1
7	Training	2011	ICAR-CRIJAF, Barrackpore	Fibre Crop Production, Seed Production and Quality Evaluation	10
8	Training (CAFT)	2012	Centre for Plant Breeding and Genetics at TNAU, Coimbatore	Quantitative Genetics in the Era of Genomics	21

Scholarships/Fellowships:

1. B.Sc. (Ag.) – University Merit Scholarship
2. M. Sc. (Ag.) – University Merit Scholarship
3. Ph. D. (Plant Breeding) – University Merit Scholarship followed by enhanced scholarship in 3rd year of Ph. D. programme for qualifying ICAR-NET

Award: Nil**External expert:**

1. M.Sc. (Ag.) in Genetics and Plant Breeding, thesis evaluation during 27.06.2016
2. External examiner for setting question paper (GPB-351: Breeding of Field Crops) and evaluation of answer scripts for 6th Semester B.Sc. (Ag.) End Term Examination at BCKV

Publication:Full Papers in International Journal: **Nil**Full Papers in National Journal : **20**Review paper: **Nil**Research note/ short communication in National Journal: **3**Extension Literature/Article: **1**

Proceedings paper:

Book Chapters : **3**Books: **Nil**Abstract published: **9****List of Publications (Citation style)****A. Research Papers in International Journal:** Nil

B. Research Papers in National Journal:

Sl. No.	Name of the Journal with volume & page number	Title of the Publication	Author(s)	Year of Publication	NAAS Rating / Impact Factor
1	<i>Journal of Interacademia</i> , 6 (3): 254-259	Studies on the effect of salinity stress on rice (<i>Oryza sativa</i> L.) at seedling stage	Roy, S. K. , Patra, S. K. and Sarkar, K. K.	2002	2.34
2	<i>Environment & Ecology</i> , 22 (spl-3): 500 - 503	Diversity of panicle characters in <i>Aman</i> rice (<i>Oryza sativa</i> L.)	Roy, S. K. , Kundu, A., Chand, S. P. and Senapati, B. K.	2004	4.09
3	<i>Environment & Ecology</i> , 23 (Spl-1): 1-3	Genetic divergence for yield and quality traits in some high yielding and local genotypes of rice (<i>Oryza sativa</i> L.)	Bhutia, K. S., Sarkar, K. K. and Roy, S. K.	2005	4.09
4	<i>Environment & Ecology</i> , 23 (Spl-1): 82-85	Effect of sulfur on different varieties of rapeseed and mustard	Sarkar, K. K., Roy, S. K. , Mitra, B. and Dey, C	2005	4.09
5	<i>Environment and Ecology</i> , 23 S (spl-4): 702-706	Genetic variability and relationships between grain yield and its attributing traits in rice (<i>Oryza sativa</i> L.)	Sarkar, K. K., Bhutia, K. S., Senapati, B. K., Roy, S. K. , Panda, S. and Mondal, A. B	2005	4.09
6	<i>Crop Research</i> , 30 (1): 46-49	Genetic Divergence in <i>Aman</i> rice under semi-deep rainfed condition	Chand, S. P., Roy, S. K. , and Senapati, B. K.	2005	2.87
7	<i>Indian Journal of Environment & Ecoplanning</i> , 10 (1): 63-66	Genetic diversity for yield and its attributing traits in rice (<i>Oryza sativa</i> L.)	Sarkar, K. K., Bhutia, K. S. and Roy, S. K.	2005	-
8	<i>Environment & Ecology</i> . 24 S (3): 606-608	Stability of performance of some yellow sarson (<i>Brassica campestris</i> L. var Yellow Sarson) genotypes over environments	Sinhamahapatra, S. P., Bala, S., Chand, S. P. and Roy, S. K.	2006	4.09
9	<i>Oryza</i> , 44 (1): 64-67	Genetic variability and character association of quality traits in rice (<i>Oryza sativa</i> L.)	Sarkar, K. K., Bhutia, K. S., Senapati, B. K. and Roy, S. K.	2007	4.12
10	<i>Oryza</i> , 46 (2): 87-93	Heterosis for yield and quality traits in rice	Roy, S. K. , Senapati, B. K., Sinhamahapatra, S. P. and Sarkar, K. K.	2009	4.12
11	<i>Oryza</i> , 48 (1): 22-30	Estimation of genetic components for grain yield and quality traits of rice	Roy, S. K. and Senapati, B. K.	2011	4.12
12	<i>Journal of Crop and Weed</i> . 7 (2): 97-99	Stability for fibre yield and its attributing traits in white jute (<i>Corchorus capsularis</i> L.)	Roy, S. K. , Chakraborty, G., Roy, A., Haque, S., Sinha, M. K., Mitra, S. and Kale, V. A.	2011	3.59
13	<i>Journal of Crop and Weed</i> . 7 (2): 108-112	Variability and character association studies in rapeseed-mustard (<i>Brassica sp.</i>)	Roy, S. K. , Haque, S., Kale, V. A., Asabe, D. S. and Dash, S.	2011	3.59
14	<i>Ind. J. Agri. Sci.</i> , 82 (4): 293-303	Combining ability analysis for grain yield and quality characters in rice (<i>Oryza sativa</i>)	Roy, S. K. and Senapati, B. K.	2012	6.14

Sl. No.	Name of the Journal with volume & page number	Title of the Publication	Author(s)	Year of Publication	NAAS Rating / Impact Factor
15	<i>Indian Journal of Natural Fibres</i> , 1(2): 203-211	Exploiting plant growth promoting microbes and biopesticides for eco-friendly and cost effective biotic stress management of olitorius jute in Terai Region of West Bengal	Roy, A., Chakraborty, G., Roy, S. K. , Mitra, S. and Sarkar, S. K.	2015	-
16	<i>Indian Journal of Natural Fibres</i> , 1(2): 225-232	Genetic Diversity, Variability and Correlation Study in Tossa Jute (<i>Corchorus olitorius</i> L.)	Roy, S. K. , Karmakar, P. G., Bhaduri, S. K., Das, B., Kale, V. A. and Haque, S.	2015	-
17	<i>International Journal of Bioresource Science</i> , 2(2): 95-100	Effect of biocontrol agent consortium for ecofriendly management of stem and root rot in olitorius jute caused by <i>Macrophomina phaseolina</i>	Roy, A., Roy, S. K. , Chakraborty, G. and Sarkar, S. K.	2015	-
18	<i>Journal of Agriculture and Technology</i> , 2(1&2): 17-20	Character association studies in early segregating generation of mustard crosses	Roy, S. K. , Kale, V. A. and Haque, S.	2015	-
19	<i>Vegetos</i> , 28(3): 135-140	Genetic variability and inter-relationship between fibre yield and its components in Roselle (<i>Hibiscus sabdariffa</i> L.) in Terai Zone of West Bengal	Satyanarayana N. H., Mukherjee, S., Bhanu Priya and Roy, S.	2015	6.00
20	<i>Journal of Crop and Weed</i> , 11 (Special Issue): 90-94.	Genetic divergence studies for fibre yield traits in Roselle (<i>Hibiscus sabdariffa</i> L.) in Terai Zone of West Bengal	Satyanarayana N. H., Mukherjee, S., Roy, S. , Priya, B., Sarkar, K. K. and Bandyopadhyay, P.	2015	3.59

C. Review paper: Nil

D. Research Notes/Short Communication in National Journal:

Sl. No.	Name of the Journal with volume & page number	Title of the Publication	Author(s)	Year of Publication	NAAS Rating / Impact Factor
1	<i>Oryza</i> , 42 (3): 220-221	Adaptability of some high yielding photosensitive rice genotypes under rainfed saline soil of Sundarban	Senapati, B. K., Roy, S. K. , Sarkar, G. and Majumdar, N. D	2005	4.12
2	<i>Journal of Crop and Weed</i> , 7(1): 130-132	Genetic divergence study for yield and quality traits in tossa jute	Roy, S. K. , Das, B., Kale, V. A. and Haque, S.	2011	3.59
3	<i>Electronic Journal of Plant Breeding</i> , 6(4): 1132-1136	Assessment of genetic variability of rapeseed-mustard germplasm under Terai region of West Bengal	Roy, S. K. , Kale, V. A. and Nagnathwar, V. A.	2015	4.19
4	<i>Electronic Journal of Plant Breeding</i> , 7(3): 714-716	Stability of fibre yield and its component traits in tossa jute (<i>Corchorus olitorius</i> L.)	Roy, S. K. , Chakraborty, G., Roy, A., Haque, S., Sinha, M. K., Mitra, S. and Kale, V. A.	2016	4.19

E. Conference Proceedings: 9

F. Extension literature/Article: 1

G. Book Chapters:

Item	Year	Details	Publisher	Pages
1. Article Published as Book Chapter in the book entitled "Jute and Allied Fibres Production Utilization and Marketing" ISBN: 978-81-901054-4-6	2010	Topic: "Stability for fibre yield and component traits in tossa jute (<i>Corchorus olitorius</i>)"	Indian Fibre Society (IFS), Eastern Region	104-107
2. Article Published as Book Chapter in the book entitled "Jute and Allied Fibres Production Utilization and Marketing" ISBN: 978-81-901054-4-6	2010	Topic: "Selection of tossa jute (<i>Corchorus olitorius L.</i>) germplasm on the basis of fibre quality"	Indian Fibre Society (IFS), Eastern Region	116-122
3. Article Published as Book Chapter in the book entitled "Jute and Allied Fibres Production Utilization and Marketing" ISBN: 978-81-901054-4-6	2010	Topic: "Evaluation of IPM strategies for increasing productivity of jute fibres in terai region of West Bengal"	Indian Fibre Society (IFS), Eastern Region	257-262

H. Books: Nil

Participation in International/ National/ State level Conferences: Details

Serial No.	Name of the Seminar/ Symposium/ Conference/ workshop	Place	Date (s)	Year	Duration (Days)
1	International Symposium on "Jute and Allied Fibres Production, Utilization and Marketing"	Kolkata		2008	4
2	International Conference on "Emerging Trends in Production, Processing and Utilization of Natural Fibres"	Mumbai		2009	3
3	National Seminar on "Trends in Biodiversity and Bioresource Management"	A. B. N. Seal College, Cooch Behar, West Bengal		2010	2
4	International Symposium on "System Intensification Towards Food & Environmental Security"	Kalyani, West Bengal		2011	4
5	National Seminar on "Plant Genetic Research for Eastern and North-eastern India"	ICAR Research Complex for NEH Region, Umiam, Meghalaya		2012	2
6	National Seminar on "Jute and Allied Fibres in Changing Times: Issues & Strategies"	ICAR-NIRJAFT, Kolkata		2013	3
7	International Conference on "Natural Fibres"	Kolkata		2014	3
8	Conference on "Adaptation and Mitigation strategies of climate change for sustainable livelihood"	UBKV, Cooch Behar		2014	3
9	Conference on "Bioresources management for sustenance of ecosystem and livelihood"	UBKV, Cooch Behar		2015	4

Declaration

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

Place : Cooch Behar, West Bengal

SUVENDU KUMAR ROY
(Signature)