DR. KALYAN JANA
Assistant Professor (Agronomy)

Correspondence Address **AICRP on Forage Crops & Utilization** **Directorate of Research,** **Bidhan Chandra Krishi Viswavidyalaya (SAU), Kalyani, Nadia, West Bengal, India, PIN-741235** **E-mail: kjanarrs@gmail.com** **Mob. No. : +91 9932250618**	:	**Residential Address** **Flat-3D, Santiniketan, Champadali More, Barasat, North 24 Parganas Kolkata-700124, West Bengal, India** **Mob. No. : +91 9932250618**	
Service Details			
Worked in Rice Research Station (Govt. of West Bengal), Bankura since 29.09.2008 to 15.12.2014 under Research wing, Department of Agriculture, Govt. of West Bengal, INDIA.	:	**1. As Assistant Agronomist (Scientist)**, WBAS (Research) cadre in C.R.R.S (Central Rice Research Scheme) **2.** Collaborative research work with **Directorate of Rice Research (ICAR)**, Hyderabad under All India Co-ordinated Rice improvement Programme (**AICRIP**).	
Joined Bidhan Chandra Krishi Viswavidyalaya **(BCKV)** (State Agricultural University), Faculty of Agriculture, Agronomy Discipline, Mohanpur, Nadia, West Bengal-741252, INDIA on 16.12.2014.	:	As **Assistant Professor in Agronomy[Agronomist (Scientist) & Officer-In-Charge],** All India Co-ordinated Research Project (AICRP) on **Forage Crops & Utilization (ICAR),** Directorate of Research, BCKV, Kalyani, Nadia, West Bengal-741235, INDIA.	
Date of Birth	:	**24.03.1980**	
Permanent Address		C/O – Sri Anil Jana, Vill + P.O. – Maligram, PS – Pingla, Dist.- Paschim Medinipur, PIN – 721140, West Bengal, INDIA.	
Variety Release	:	**Puspa** (IET 17509), **Dhiren** (IET 20760), **Druba** (IET 20761) and **Sampriti** (IET 21987) [worked as a team member for developing the promising rice varieties]	
Recognition/Award	:	**Award of Excellence** for best research work cum paper presentation on ***'Aerobic Method of Rice Cultivation: Tackling Climate Change, Safe Environment and Water Saving Technology'*** by **Department of Science and Technology**, Govt. of West Bengal and **BESU, Shibpur**.	
Winter School	:	**2** 1. Greenhouse gas emission and its mitigation…(SOC) pool. [at **CRRI** (ICAR), Cuttack] and 2. New frontiers in IPM in Rice and……cropping system. [at **DRR** (ICAR), Hyderabad]	
Total Publication (Full research papers)	:	Published **47 full research papers**	
Publication in referred journals	:	**34**	
Publication in Proceeding of Seminars/ Conferences	:	**13**	
Books	:	**2** [Question-Answer on Agriculture and Onion Cultivation] (As single author & with ISBN No.)	
Book Chapters		**2** (with ISBN No.)	
Seminars/Workshop Attended	:	**11**	
Research Interest and Area of Specialization	:	Nature of work is basic, adaptive and applied research on **1. SRI** (System of Rice Intensification), **2. Aerobic rice system** **3. Forage crops** **4. *Paira* or *utera*** cropping **5. Nutrient & weed management** **6. Development of promising rice cultures**, **7. Aromatic rice** and **Weedy rice** **8.** Primarily on **nutrient, soil and water management** on various agronomic field crops etc.	

Life member of Scientific Body/Societies	**:**	**3** 1. Association of Rice Research Workers, CRRI, Cuttack. 2. Crop and Weed Science Society, BCKV, Mohanpur. 3. The Agricultural Society of India, Kolkata.
Member of Editorial Board of Journals	**:**	1 (Webpub Journal of Agricultural Research)
Actively Participated in	**:**	As resource person in the quarterly Colloquim-cum-workshops, Farmers', KPSs' and extension officers training programme and seed village programmes and delivered seminar lecture with PPT and 'Krishi Darshan' of Doordarshan Kolkata & '*Amra Chas Kori Anande*'of Akashvani Kolkata and news programme of TV channels.

LIST OF PUBLISHED RESEARCH PAPERS IN REFERRED JOURNALS (34)

Sl. No.	Research Papers
1.	**K. Jana,** G. K. Mallick and S. Ghosh (2013). Yield of aerobic rice affected by high temperature stress during summer season – A study from red and laterite zone of West Bengal, India. ***Journal of Applied and Natural Science*** **(**ISSN 0974-9411**)**, Vol. 5 (2): 394-396.
2.	**K. Jana** and A. M. Puste (2012). Effect of water management practices on dry mat-stick yield of mat-sedges (*Cyperus tegetum* R.) for sustainability of resource poor farming community. ***Green Farming*****-International Journal** of Applied Agricultural & Horticultural Sciences (ISSN 0974-0775), Vol. 3 (3): 277-281.
3.	**K. Jana** (2012). Effect of nitrogen levels and weed management practices on grain yield of aerobic rice cultivation system. ***Green Farming*****-International Journal** of Applied Agricultural & Horticultural Sciences (ISSN 0974-0775), Vol. 3 (6): 687-689.
4.	**K. Jana** and G. K. Mallick (2013). Predominance of weedy rice in different rice ecosystem under western zone of West Bengal. ***Journal of Crop and Weed*** (ISSN 0974-6315), Vol. 9. (2): 154-158.
5.	**K. Jana** and A. M. Puste (2014). Effect of water management practices on mat-sedges (*Cyperus tegetum* R.) through rainwater harvesting and soil physico-chemical properties. ***Research in Environment and Life Science***s (ISSN 0974-4908), 7 (1): 15-18.
6.	**K. Jana** and A. M. Puste (2014). *Madur Kathi* – An Important Economic Non-food Crop of West Bengal. ***Asian Agri-History*** **An International Journal** (ISSN 0971-7730), Vol.18 (2): 145-151.
7.	**K. Jana** and A. M. Puste (2012). Effect of irrigation schedule along with paddy straw mulching on growth characters of Mat-sedges (*Cyperus tegetum* Roxb.) under old alluvial zone of West Bengal. ***Journal of Progressive Agriculture*****-An International Journal** (ISSN 2229-4244), Vol.3 (2): 99-105.
8.	**K. Jana** and A. M. Puste (2013). Effect of different levels of irrigation and dates of sowing on growth characters and yield attributes of summer sunflower. ***Journal of Progressive Agriculture*****-An International Journal** (ISSN2229-4244), Vol.4 (2): 45-47.
9.	**K. Jana** (2013). Evaluation of aerobic rice system during *boro* season under red and laterite zone of West Bengal. ***Crop Research*** **– An International Journal** (ISSN 0970-4884), Vol. 45 (1, 2 & 3): 20-23.
10.	**K. Jana,** G. K. Mallick and S. Ghosh (2013). Performance of different linseed varieties in '*paira*' cropping system. ***Crop Research*** **– An International Journal** (ISSN 0970-4884), Vol. 46 (1, 2 & 3): 119-121.
11.	**K. Jana** (2011). Climate Change: Greenhouse gas emission and its mitigation in Agriculture. ***SATSA Mukhapatra*** – Annual Technical Issue (ISSN 0971-975X), Vol. 15: 68-76.
12.	**K. Jana** (2012). Aerobic Rice System towards Tackling Climate Change. ***SATSA Mukhapatra*** – Annual Technical Issue (ISSN 0971-975X), Vol. 16: 81-88.
13.	**K. Jana,** A. M. Puste and B. Ray. Pramanik (2013). Oil content, oil yield and water use efficiency of sunflower as influenced by dates of sowing and irrigation schedule. ***Journal of Interacademicia*** (ISSN 0971-9016), Vol. 17 (1): 5-10.
14.	**K. Jana** and G. K. Mallick (2012). Location specific best management practices for highest realizable yields in transplanted rice under red and laterite zone of West Bengal. ***Environment and Ecology*** (ISSN 0970-0420), Vol. 30 (4): 1390-1392.

15.	G. K. Mallick, M. Mondal, **K. Jana,** A. Ghosh and A. Biswas (2013). Puspa – a new rice rice variety alternative to Annada, released for upland areas of West Bengal, India. ***Ecology, Environment & Conservation*** (ISSN 0971-765X), Vol**.** 19(4): 1127-1129.
16.	G. K. Mallick, **K. Jana**, G. Sardar, A. Biswas (2012). Performance of IET 17509 in farmers' field of upland situation in West Bengal. ***Environment and Ecology*** (ISSN 0970-0420), Vol. 30 (4A): 1599-1600.
17.	B. Ray Pramanik, A. M. Puste, **K. Jana**, K. Banerjee and M. Dasgupta (2013). Effect of integrated nutrient management and integration of makhana-cum-fish culture on soil and water characterization in wetland ecosystem. ***Green Farming*-International Journal** of Applied Agricultural & Horticultural Sciences (ISSN 0974-0775), Vol. 4 (2): 127-131.
18.	G.K. Mallick, **K. Jana**, G. Sardar, S. Ghosh, R. Mandal and K. K. Bhadra (2013). Morpho-Agronomic Characteristics of a Newly Released Rice Variety 'Puspa'. ***Environment and Ecology*** (ISSN 0970-0420), Vol. 31 (2B): 890-893.
19.	A. M. Puste, T. K. Mandal, K. Banerjee, **K. Jana** and B Ray Pramanik (2013). Improvised agro-techniques and INM on the underutilized makhana crop (*Euryale ferox* Salisb.) in wetland ecosystem in Indian sub-tropics. ***Green Farming*-International Journal** of Applied Agricultural & Horticultural Sciences (ISSN 0974-0775), Vol. 4(3): 271-275.
20.	B. Ray Pramanik, A. M. Puste, **K. Jana**, K. Banerjee, M. Dasgupta and T. K. Maity (2012). Effect of Integrated Nutrient Management on Growth and Yield Characteristics of Makhana-cum Fish Culture under Lowland Aquatic Ecosystem. ***Environment and Ecology*** (ISSN 0970-0420), Vol. 30 (4A): 1481-1484.
21.	G. K. Mallick, **K. Jana**, S. Ghosh, G. Sardar and K. K. Bhadra (2013). Morpho-Agronomic characteristics of a Newly Released Rice Variety BNKR-1 (Dhiren). ***Science Research Reporter*** (ISSN 2249-2321), 3 (2): 223-228.
22.	G. K. Mallick, M. Mondal, S. Ghosh, **K. Jana** and R. Mandal (2013). Yield performance of a promising rice culture IET 17509 in red and lateritic areas of West Bengal. ***International Journal of Advance Research*** (ISSN 2320-5407), Vol**.** 1(9): 182-185.
23.	T. K. Mandal, A. M. Puste, B. Ray Pramanik, **K. Jana** and K. Banerjee (2013). Effect of mulching and date of sowing on the seed and oil yield of safflower under limited water resource in West Bengal. ***Green Farming*** –**International Journal** of Applied Agricultural & Horticultural Sciences (ISSN 0974-0775), Vol. 4 (1): 73-75.
24.	B Ray Pramanik, A. M. Puste, K. Banerjee, T. K. Mandal and **K. Jana** (2012). Growth, yield and economics of summer sesame (*S. indicum* L.) as influenced by irrigation and sulphur levels under new alluvial zone. ***Green Farming*** –**International Journal** of Applied Agricultural & Horticultural Sciences (ISSN 0974-0775), Vol. 3 (5): 518-522.
25.	B Ray Pramanik, A. M. Puste, **K. Jana,** K. Banerjee, D. K. Das and M. Dasgupta (2013). Makhana (*Euryale ferox* Salisb.) – cum –fish culture: An integrated management for better yield. ***Bangladesh Journal of Scientific and Industrial Research***, (ISSN 0304-9809) 48 (4), 281-286.
26.	G. K. Mallick, **K. Jana**, G. Sardar and S. Ghosh (2014). Seven Promising Early Rice Genotypes for Red And Lateritic Areas of West Bengal, India. ***International Journal of Applied Bioresearch*** (ISSN2250-2041), 22: 20-24.
27.	G. K. Mallick, I. Dana, **K. Jana**, A. Ghosh and A. Biswas (2014). BNKR-1 (Dhiren) – A newly released late duration high-yielding rice variety an alternative to Swarna (MTU 7029) for West Bengal, India. ***Journal of Applied and Natural Science*** **(**ISSN 0974-9411**)**, 6 (2): 869 – 871.
28.	**K. Jana** (2014). Nitrogen response of promising rice entries under rainfed shallow lowland of red and laterite zone of West Bengal, India. ***Journal of Crop and Weed*** (ISSN 0974-6315), 10 (2): 497-499. (Short communication)
29.	G. Sardar, G. K. Mallick, **K. Jana**, and S. Ghosh (2015). Screening of high iron and zinc rice genotypes in red and lateritic areas of West Bengal, India. ***International Journal of Applied Bioresearch*** (ISSN 2250 – 2041), 23: 7-9.
30.	**K. Jana**, G. K. Mallick, C. K. Kundu, S. K. Gunri and A. M. Puste (2015). Effect of nutrient management on grain yield of aerobic rice under irrigated condition during pre-*kharif* season. ***International Journal of Environmental & Agricultural Research*** (ISSN 2454-1850), 1 (1): 31-34.

31.	**K. Jana**, G. K. Mallick, S. Ghosh and G. Sardar (2015). Study on yield potentiality and spatial requirement of rice varieties (*Oryza sativa* L.) in system of rice intensification (SRI) under red and laterite zone of West Bengal, India. ***Journal of Applied and Natural Science*** **(**ISSN 0974-9411), 7 (1): 353 – 357.
32.	G. Sardar, **K. Jana**, S. Ghosh and G. K. Mallick (2015). Effect of different sources of organic matter on the yield of rice and soil health in red and laterite zone of West Bengal, India. ***Journal of Applied and Natural Science*** **(**ISSN 0974-9411), 7 (1): 226 – 228.
33.	**K. Jana**, S. K. Das and A. M. Puste (2015). Production economics of mat-sedges (*Cyperus tegetum* Roxb.) cultivation as influenced by water management practices for economic stability of resource-poor rural people of West Bengal, India. ***International Journal of Environmental & Agricultural Research.*** (ISSN 2454-1850), 1 (2): 27-31.
34.	**K. Jana**, G. K. Mallick, S. K. Das and A. M. Puste (2015). Performance of rice varieties in system of rice intensification under red and laterite zone of West Bengal, India. ***Indian Agriculturist***, (ISSN 0019-4336) 7 (1): 353 – 357.

FULL RESEARCH PAPERS PUBLISHED AS PROCEEDINGS IN SEMINARS/CONFERENCES

National Level -11

1. P. K. Guchhait; **K. Jana**; D.C. Roy, B. Ray Pramanik; A.M. Puste (2004). Proper utilization of *'Tal'* wetlands through cultivation of gorgon nut or makhana (*Euryale ferox* Salisb.) as influenced by integrated nutrient management. *National symposium on Resource Conservation and Agricultural productivity*, on 22-25 November, 2004 at Punjab Agricultural University, Ludhiana, organized by **Indian society of Agronomy, ICAR** and PAU. pp. 160-161
2. B. Ray Pramanik; **K. Jana**; A.M. Puste, D.C. Roy (2004). Effect of soil moisture tension and sulphur fertilization on sesame (*Seamum indicum*) grown during summer. *National symposium on Resource Conservation and Agricultural productivity*, on 22-25 November, 2004 at Punjab Agricultural University, Ludhiana, organized by **Indian society of Agronomy, ICAR** and PAU. pp. 125
3. B.C. Patra, P. Mandal, S.S. Mondal, S. Biswas, S. Sarkar and **K. Jana** (2006). Influence of Sulphur through Different sources of Phosphorus, FYM and Different Doses of Fertilizers on the productivity of Potato in New Alluvial zone of West Bengal. National symposium on "*Conservation and management of agro- resources in accelerating the food production for 21 st Century*" 14-15 th December 2006, organized by **Indian society of Agronomy** and IGKV, Raipur (Chhasttishgarh). pp-91
4. **K. Jana**, A. M. Puste, A. Roy and P. Mandal. Effect of dates of sowing on seed yield of summer sunflower grown under irrigated condition. National Seminer on *Ecorestoration of Soil and Water Resources Towards Efficient Crop Production,* held in BCKV, Kalyani, Nadia (West Bengal) on June, 6-7, 2007 India organized by **Crop and Weed Science Society, BCKV,** India. pp: 79-81.
5. A. M. Puste, **K. Jana**, A. Roy, B. Ray Pramanik M. Dasgupta, and A. K. Maiti. Utilization of marshy lands through cultivation of mat sedges for productivity and economic stability poor farm families in Indian sub tropoics. National Seminer on *Ecorestoration of Soil and Water Resources Towards Efficient Crop Production*, held in BCKV, Kalyani, Nadia (West Bengal) on June, 6-7, 2007 India organized by **Crop and Weed Science Society, BCKV,** India. pp: 05-13.
6. A. Roy, A. Singha Roy, **K. Jana** and A. M. Puste. Effect of different levels of nitrogen and potassium on yield of late transplanted TPS progeny. National Seminer on *Ecorestoration of Soil and Water Resources Towards Efficient Crop Production*, held in BCKV, Kalyani, Nadia (West Bengal) on June, 6-7, 2007 India organized by **Crop and Weed Science Society, BCKV,** India. pp: 163-164.
7. **K. Jana**, A. M. Puste, B. Ray Pramanik, A. Roy and S. Bandyopadhyay (2007) Harvesting and recycling of rainwater for paddy-fish culture and chilli as a subsequent crop for productivity and economic stability of coastal rural people. Proceedings of the National Seminar on **Coastal Resource & their Sustainable Management** (published in October 2007): 149-154.
8. A. M. Puste, B. Ray Pramanik, **K. Jana**, A. Roy, and D. Basu (2007) Research and extension gaps identified, needs strategies for promoting agriculture in problematic coastal and saline ecosystem of West Bengal. Proceedings of the National Seminar on **Coastal Resource & their Sustainable Management** (published in October 2007) : 25-30.
9. A. M. Puste, B. Ray Pramanik, **K. Jana**, A. Roy, G. Sounda, S. S. Mondal and D. K. Das (2007) Integrated coastal management – a holistic approach for sustainable development and economic stability of Indian subtropics. Proceedings of the National Seminar on **Coastal Resource & their Sustainable Management** (published in October 2007): 09-24.

10. A. M. Puste, B. Ray Pramanik, **K. Jana**, A. Roy, G. Sounda and S. Bandyopadhyay (2007) Strategy for scheduling irrigation and *Rhizobium* culture inoculation for succeeding *Lathyrus* crop in rice-lathyrus cropping system in coastal and saline zone of West Bengal. Proceedings of the National Seminar on **Coastal Resource & their Sustainable Management** (published in October 2007): 05-08.
11. A. M. Puste, B. Ray Pramanik, **K. Jana**, A. Roy, S. Bandyopadhyay and D. K. Das (2007) INM and rainwater strategy on rice-mustard cropping sequence in coastal micro-watershed of Indian subtropics. Proceedings of the National Seminar on **Coastal Resource & their Sustainable Management** (published in October 2007): 31-34.

International Level – 2

1. A. M. Puste, D. K. Das, M. Dasgupta, A. K. Maiti, B. Ray Pramanik, **K. Jana** and A. Roy (2007) Integrated wetland management – a holistic approach for conservation, restoration and economic stabilization. Proceedings of the '**International Workshop** on Integrated Water Resource Management (IWRM 2007)' organized by the KERF (Kanranataka Environmental Research Foundation) associated with **IISC, ISRO**, Water Commission (Govt. of India) held at the Intuitions of Engineers, Karnataka State Centre (India), Bangalore during February 05-07, 2007, : 123-130.
2. A. M. Puste, B. Ray Pramanick, **K. Jana**, A. Roy, M. Dasgupta, A. K. Maiti and D. Basu (2007) Utilization of wetland ecosystem through fish-crop diversification for enhanced productivity and economic stability for the fish farm community of the Indian sub-continent. Proceedings of the '**International Conference** on Community Based approaches to Fisheries Management (CBFM-2)' held in Radisson Hotel, Dhaka, Bangladesh during March 05 - 08, 2007 organized by the World Fish Center, Penang, Malaysia jointly with South-Asia Office **WorldFish Center of Bangladesh**: 20-21 & 102-110.

LIST OF RESEARCH PAPERS (In Press)

Sl. No.	Research Papers
1.	S. K. Das and **K. Jana**. Effect of foliar spray of water soluble fertilizer at pre flowering stage on yield of pulses. ***Agriculture Science Digest***.
2.	S. K. Das and **K. Jana**. Chemical weed management in black gram (*Vigna mungo* L.). ***African Journal of Agricultural Research.***
3.	G. K. Mallick, **K. Jana**, S. Mukherjee. Puspa: A Promising Upland Rice Variety for Red and Lateritic Areas of West Bengal, India. ***American International Journal of Research in Formal, Applied and Natural Sciences***.
4.	S. K. Das and **K. Jana**. Response of promising green gram (*Vigna radiata* L. Wilczek) varieties to crop geometry during summer season. ***Indian Agriculturist.***
5.	S. K. Das and **K. Jana.** Response of lentil to sowing time and fertilizer dose under new alluvial zone of West Bengal. ***Indian Journal of Agricultural Research***.
6.	S. K. Das and **K. Jana.** Effect of seed hydro-priming and urea spray in lentil. ***Legume Research.***

EDUCATIONAL QUALIFICATIONS

Degree/ Examination Passed	Name of Council/University	Full Marks	Marks Obtained	Class/ Division	% of Marks	Year of Passing	Subjects of Studies	Remarks
Ph. D. in Agronomy	**B.C.K.V.**	10 scale (Credit system)	**8.52**	**I**	**85.2**	2010	Agronomy	SRF (ICAR ad-hoc scheme)
NET	**ASRB, ICAR**	---	**---**	**NET qualified**	**---**	2007	Agronomy	Eligible for Lecturership
M.Sc. (Ag.) in Agronomy	**B.C.K.V.**	10 scale (Credit system)	**8.65**	**I**	**86.5**	2005	Agronomy	Merit Scholarship
B. Sc. (Ag.) Hons.	**U.B.K.V.**	10 scale (Credit system)	**8.20**	**I**	**82.0**	2003	Agricultural Science	Merit Scholarship
H.S. (10+2)	WBCHSE	1000	**786**	**I***	**78.6**	1999	Beng, Eng, Phys, Chem, Math, Bio.	*(Star Marks)