



RESUME

Name : **Dr. Kishore Chandra Swain**
 Address : Asst. Professor (St II) in Agricultural Engineering,
 Institute of Agriculture, Visva-Bharati, Sriniketan, Birbhum, West Bengal-731236
 : swainkc@yahoo.com; kishore.swain@visva-bharati.ac.in; ph: +91-9800458469

Academic Qualifications

Degree	Institution	Location	Year	Grades
D. Engg (<i>Agricultural Systems Engg.</i>)	Asian Institute of Tech.	Thailand	2007	3.92 (4.0)
M. Engg (<i>Agricultural Systems Engg.</i>)	Asian Institute of Tech.	Thailand	2003	3.77 (4.0)
B. Tech (<i>Agricultural Engg.</i>)	OUAT, Odisha	India	2001	8.29 (10.0)

Dissertation Title

Development of Low-cost soil and crop mapping system for precision agriculture application using unmanned remote controlled helicopter.

Work Experience Summary

Position	Institution	Location	Period			Responsibility
			From	To	Duration	
Asst. Professor	Visva-Bharati	India	April 2012	Till date	7 yrs	Teaching, research
Asst. Professor	Assam University	India	Sept 2010	April 2012	1 yr 6 months	Teaching
Post-doc	Aarhus University	Denmark	Feb 2009	Sept 2010	1 yr 8 month	Research, teaching
Post-doc	NS Agriculture College	Canada	April 2008	Feb 2009	10 month	Research, teaching
Project specialist	Asian Inst. of Tech.	Thailand	Jan 2008	April 2008	3 month	Project Management
Intern	UNEP	Thailand	Jun 2007	Dec 2007	7 month	Project Management
Project Researcher	Asian Inst. of Tech.	Thailand	Aug 2003	Aug 2004	1yr	Research

Award/recognition

- **ACPA 2019: Award of Honour** for delivering Keynote lecturer in **8th Asian-Australasian Conference on Precision Agriculture**, at PAU, Ludhiana, India, during 14-17, October 2019"
- **JAE Best Reviewer Award-2018**, by the Indian Society of Agricultural Engineers, New Delhi for the subject Farm Machinery & Power, at 53rd ISAE Annual Convention and International Symposium on Engineering Technologies for Precision and Climate Smart Agriculture, 28-30 January, 2018, BHU, UP, India.

Project Experience

- **Principal Investigator** of the project with title "Low cost, Flexible Hermetic Storage System for Turmeric Rhizomes and Green gram" funded by Institute of Engineers (IE), India during February 2019 to July 2020.
- **Workshop Coordinator** of the 5-Day (one week) Workshop on "Geoinformatics in Agriculture and Environment" is funded by R& D of NABARD during 24-29 March 2019.
- **Co-principal Investigator** for the project with title "Development of automation techniques for wild blueberry harvesting" funded by Wild blueberry research foundation, Canada during July 2008-2009.

- Principal Investigator of the project with title “Assessment of the Risk of Climate Change on Rain-fed Rice Cropping in Northeast of Thailand” funded by Pro-Vention Consortium during January 2008-June 2009.

Conference/Training Program Organized

Sl no	Details	Responsibility	schedule
1	5-Day (one week) Workshop on “Geoinformatics in Agriculture and Environment”	Workshop Coordinator	24-29 March 2019
2	international Seminar on “ <i>Livelihood Promotion, Bio-diversity Conservation and Social Security in Indian Sundarbans</i> ”	Assistant Org. Secretary	7-9 December 2018
3	National Seminar cum Panel Discussion on "Doubling Farmers' Income: Role of Agricultural Mechanization	Organizing Secretary	29 th January, 2018
4	Oneday Farmers Training program on "Agricultural Machinery and Hands-on Applications	Training Coordinator	21 March, 2017
5	1 st International conference on Bioresources, Environment and Agricultural Sciences”	Joint Organizing Secretary	4-6 February, 2017
6	National Symposium on “Recent Trends in Agricultural and Allied Sciences for Better Tomorrow (NSRTAS, 2016)	Organizing Secretary	04 December, 2016

Ph.D guidance

Awarded	01
Guiding	03

Book

- Swain, K.C. (2019). **A Text Book** on Precision Agriculture Technology, New Delhi Publishers, 152 pages.
- Swain, K.C., Chatterjee, A.K. and P. Kandasamy (2018). Advance Technologies in Agriculture for **Doubling Farmers' Income**, New Delhi Publishers, pp. 360. ISBN: 978-93-86453-61-7.
- Swain, K.C., Mahata, A. and C. Singha (2017). Nutrition Status of Lactating Mothers, **Lambert Academic Publishing, Germany**, ISBN- 978-3-330-08694-4
- Swain, K.C. (2013). Precision Agriculture Technology Application: Landuse suitability application using GIS, **LAP Lambert Academic Publishing, Germany**, ISBN: 978-3-659-47275-6.

Selected Peer-reviewed Papers

- Swain, K.C., Norremark, M.; Jorgensen, R. N., Midtiby, H.S. and O. Green (2011). Weed identification using an automated active shape matching (AASM) technique, *Biosystems Engineering*, 110: 450-457. **(Impact Factor: 2.983)**
- Bochtis, D.D. Ibrahim, I. and K.C. Swain (2011). Robotic weed monitoring, *Acta Agriculturae Scandinavia, B.*, 61(3): 202-207. **(IF 0.67)**
- Aggelopoulou, A.D., Bochtis, D., Fountas, S., Swain, K.C., Gemtos, T.A. and G.D. Nanos (2010). Yield prediction in apple orchards based on image processing, *Journal of Precision Agriculture*, 12(3): 448-456. **(IF: 1.327)**
- Swain, K.C., Zaman, Q.Z., Schumann, A. and D.D. Bochtis (2010). Computer vision system for wild blueberry fruit yield mapping, *Biosystems Engineering*, 100: 389-394. **(IF: 2.983)**
- Swain, K.C., Jayasuriya, H.P.W. and S.J. Thomason (2010). Adoption of an unmanned helicopter for low-altitude remote sensing to estimate yield and total biomass of a rice crop, *Transaction of ASABE*, 53(1):22-29. **(IF: 1.118)**
- Zaman, Q.U., Swain, K.C., Schumann, A.W. and D.C. Percival, (2010). Automated, low-cost yield mapping of wild blueberry fruit, *Applied Engineering in Agriculture*, Vol. 26(2): 225-232. **(IF:0.65)**
- Swain, K.C., Jayasuriya, H.P.W. and V.M. Salokhe (2007). Suitability of LARS images for estimating nitrogen treatment variations in rice cropping for precision agriculture adoption, *Journal of Applied Remote Sensing*, 1:013547, SPIE Publications. **(IF: 1.107).**

- Nath, A., Swain, K.C. and K. Khan (2015). Development of ready-to-eat puffed carrot (*Daucuscarota*) cubes using HTST whirling bed, *International Agricultural Engineering Journal (China)*, 24(1):1-9. **ISSN-0858-2114**
- Singha, C. Swain, K.C., Sahoo, B.B., Ghosh, P. and S.K. Swain (2019). Assessment of bio diversity conservation using geospatial models *Journal of Pharmacognosy and Phytochemistry* 2019; 8(1): 1577-1586. **(NAAS>5.0)**
- Swain, K.C. and C. Singha (2018). Mapping of Agriculture Farms using GPS and GIS Technique for Precision Farming, *Internat. J. Agric. Engg.*,11(2): 269-275 ISSN-0974-2662, DOI: 10.15740/HAS/IJAE/11.2/269-275. **(NAAS>4.0)**
- Singha, C. and K.C. Swain (2016). Land suitability evaluation criteria for agricultural crop selection: A review, *Agricultural Reviews*, 37(2):125-132. **(NAAS>4.0)**
- Swain, K.C., Moitra, R. and Q.U. Zaman (2015). Sensor-based weed identification in wild blueberry, *International Journal on Bio-resource and Stress Management*, 6(1):151-154. **(NAAS >4.0)**