

CV of Rajesh Chakraborty

1. Personal descriptions:

Name: **Rajesh Chakraborty**
Date of birth: 01/08/1990
Nationality: Bangladeshi
Marital Status: Married
Blood Group: O (V+)
Cell: +8801741-664970, +8801741-340270
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rajesh.chakraborty@sau.edu.bd



2. Objectives:

Being as an Agriculturist I want to spread my little knowledge as a worker of tomorrow in sustainable development relating to the agriculture, rural economy, built environment and ensure food security for hunger world with accountability and transparency.

3. Mailing Address:

Department of Agronomy
Sher-e-Bangla Agricultural University (SAU)
Sher-e-Bangla Nagar, Dhaka-1207,

4. Academic qualifications

Degree	Passing Year	Board/University	Major attention
Ph.D. (Agronomy)	On-going	Kagoshima University, Japan	Crop Quality
M.S. (Agronomy)	2015	SAU, Dhaka, Bangladesh	Agronomy
B.Sc. Ag. (Hons.)	2012	SAU, Dhaka, Bangladesh	Agriculture

5. Job Description

Current position: Assistant professor (Deputation)
Affiliation: Department of Agronomy
Sher-e-Bangla Agricultural University, Dhaka-1207.

6. Experiences:-			
6.1 Teaching experience			
Position	Tenure		Role
	From	To	
Assistant Professor	27/12/2020	till now	Conducting classes of Undergraduate level, Conducting research.
Lecturer	27/12/2018	26/12/2020	Conducting classes of Undergraduate level, Conducting research.

6.2 Experience of research project				
Role/ Position	Title of the Project	Funding agency	Duration	
			From	To
Research Assistant	Prospect of true potato seed (TPS) eco-friendly technology for sustainable food security	UGC-JSPS joint Research Project, FY/2013	April, 2013	March, 2015
Research Assistant	Minimizing arsenic accumulation in potato through bio adsorbent (non-living biomass) management- an eco-friendly approach	UGC-JSPS joint Research Project, FY/2013	April, 2013	March, 2015
Research Assistant	Supplementation of N, Zn and 2-acetyl-1-pyrroline on yield and some biochemical traits of local aromatic-fine rice varieties in Bangladesh	NST/2017, MoST, Dhaka, Bangladesh.	1 st July, 2017	30 June, 2018
Research Assistant	Organoleptic and grain quality traits of aromatic rice varieties as influenced by supplementation of Zn and 2-Acetyl-1-pyrroline	UGC/2018, Dhaka, Bangladesh.	1 st May, 2018	30 th June, 2019
Project director	Biochar-A climate smart practice for milling traits and aroma of fragrant rice under drought stress with different time of harvest	R&D, MoST, Dhaka, Bangladesh	1 st June, 2019	31 May, 2020
Project director	Grain quality and aroma of fragrant rice as influenced by exogenous application of γ -aminobutyric acid (GABA), shading and drought stress at different stage	R&D, MoST, Dhaka, Bangladesh	1 st June, 2020	31 May, 2021
Co-principal investigator	Development of Production Package for Export and Processing Potatoes to Sustain Productivity and Food Security in Bangladesh	PIU-NATP-2, ID NO. 020, BARC, Farmgate, Dhaka, Bangladesh	January, 2019	December, 2021

7. Country Visited

India, China and Japan (Oral Presenter in the Winter Course in International Agricultural Program at the University of the Ryukyus, Okinawa, Japan, 2015).

Society/Organization/Institution	Membership Type	Country of Origin
American Oil Chemist Society (AOCS)	Active member, Membership ID: 547853	USA
Bangladesh Society of Agronomy	Life member, Membership ID: L575	Bangladesh
Krishibid Institution of Bangladesh	General member, Membership ID: 22877	Bangladesh
International Society for Development and Sustainability (ISDS)	Associate member, Membership ID: M008522	Japan
Sher-e-Bangla Agricultural University Alumni Association (SAUAA)	Life member	Bangladesh

9. Digital Online Identifications for Scientific Recognition

My LiveDNA ID: 880. 11265

ORCID ID: orcid.org/0000-0002-6593-2058

Loop ID: 305121

ResearcherID: P-2325-2015

Publons ID: <https://publons.com/a/1438390>

Researchgate ID: https://www.researchgate.net/profile/Rajesh_Chakraborty3/research

Google scholar ID: <https://scholar.google.com/citations?user=A5SiWc0AAAAJ&hl=en&oi=ao>

Scopus ID: <https://www.scopus.com/authid/detail.uri?authorId=56765299400>

10. Scientific publications:-

10.1 Journal articles:

SL No.	Detail of articles
1.	Tuhin Suvra Roy, Naiem Imtiaz, Rajesh Chakraborty , Bimal Chandra Kundu and Eti Chakraborty (2022). Applying Biochar with different form of nitrogen: be a good agricultural practice for better yield and processing quality of potato. Journal of Horticulture and Post-harvest Research, 5 (2): Accepted.
2.	Akhi Badrunnesa, Rajesh Chakraborty , Eti Chakraborty and Tuhin Suvra Roy (2021). Biochemical and sensory traits of potato for processing purpose as

	influenced by vermicompost and potassium sources. <i>International Journal of Agricultural and Applied Sciences</i> , 2(2):28-33.
3.	T. Taufique, T. Nishizawa, T.S. Roy, K. Meiko, R. Chakraborty , M. Mostofa and K. Nara. (2021). Histological and physiological changes of potato starch derived from seed and TPS (True Potato Seed) grown tubers under different cold storage duration. <i>Advances of Horticultural Science</i> , 35(4): 371-381. (SCOPUS indexed)
4.	Roy, T.S., Das, B.R., Sultana, N., Chakraborty, R. and Rahman, S. (2021). Enhancement the productivity of processing category potato by biochar. <i>Bangladesh Agronomy Journal</i> , 24(2): 63-71.
5.	Nishizawa, T., Roy, T. S., Nara, K., Rahman, M. M., Chakraborty, R. , Li, X., and Motomura, Y. (2021). Physical and physiological traits of tubers and their starch-granule sizes of local potato cultivars in Bangladesh. In VII South-Eastern Europe Symposium on Vegetables and Potatoes. <i>Acta Horticulturae</i> , e1326: 239-246.
6.	Taufique, T., Roy, T. S., Chakraborty, R. , Mostofa, M., and Kundu, B. C. (2021). Comparison of the cooking characteristics among true potato seed (tps) and seed potato varieties after microwave heating. <i>Journal of microbiology, biotechnology and food sciences</i> , e1327-e1327. (Web of Science and SCOPUS indexed)
7.	Mostofa, M., Roy, T. S., and Chakraborty, R. (2021). Interactive Effects of Vermicompost and Seed Tuber Size On the Production of Potato (<i>Solanum Tuberosum</i> L.). <i>Bangladesh Journal of Botany</i> , 50(3): 695-700.
8.	S. Paul, S.C. Sarker, T.S. Roy, R. Chakraborty , M.Roy and M. A. Islam (2021). Foliar application of boron and irrigation levels on the performance of lentil. <i>Bangladesh Agronomy Journal</i> , 24(1): 129-13.
9.	Mostofa, M., Roy, T. S. and Chakraborty, R. (2021). Yield and yield contributing attributes of potato as influenced by vermicompost and seed tuber size. <i>SAARC Journal of Agriculture</i> , 19(1): 71-79.
10.	Chakraborty, R. , Jun-Ichi, S., Roy, T.S., Khan, M.Y., Chakraborty, E., Khatun, G., Sumon, M.H. and Moly, P.S. (2021). Biochar-A climate smart practice for milling traits and aroma of fragrant rice under drought stress with different time of harvest. <i>Journal of Rice Research</i> , 14(1): 1-13.
11.	Badrunnesa, A., Roy, T. S., Chakraborty, R. , Sarker, S. C., Kundu, B. C. and Malek, M. (2021). Yield and grading of potato tuber for processing purpose as affected by vermicompost and potassium sources. <i>Journal of Agriculture, Food and Environment</i> , 2(2): 57-61.
12.	Chakraborty, R. , Islam, S., and Roy, T. S. (2020). Hybrid true seed production from potato mother plant as influenced by nitrogen splitting and boron. <i>Journal of Biological Research</i> , 93(8563): 39-47 (Scopus Indexed).
13.	Chakraborty, R. and Roy, T. S. (2020). Transition in quality attributes of true potato seed (TPS) under split application of nitrogen and boron. <i>Vegetos</i> , 33: 483-492 (Springer Publication).
14.	Jannatul Ferdous, Tuhin Suvra Roy, Rajesh Chakraborty , Maruf Mostofa and

	Bimal Chandra Kundu (2020). Yield performance of different potato varieties as influenced by vermicompost. Bangladesh Journal of Botany, 49 (2): 265-271.
15.	Paul, S., Roy, T. S., Chakraborty, R. , Roy, M., and Sarker, S. C. (2019). Growth Performance of Lentil by the Effect of Irrigation and Boron Splitting As foliar Application. Bangladesh Agronomy Journal, 22 (2): 139-150.
16.	Roy, T. S., Rahaman, M. T., Chakraborty, R. , Mostofa, M., and Rahaman, M. S. (2019). Effect of Biochar Application as a Soil Amendment on Growth and Yield of Sesame (<i>Sesamum indicum</i> L.). Bangladesh Agronomy Journal, 22 (2): 113-127.
17.	Ferdous, J., Roy, T. S., Chakraborty, Rajesh. , Mostofa, M., Noor, R., Nowroz, F. and Kundu, B. C. (2019). Vermicompost influences processing quality of potato tubers. SAARC Journal of Agriculture, 17 (2): 173-184.
18.	Taufique, T., Roy, T. S., Chakraborty, R. , Mostofa, M., Kundu, B. C., Delowar, H. K. M. and Nowroz, F. (2019). Suitability of potato varieties grown from true seed and seed tubers for chips making using a microwave oven. African Crop Science Journal, 27 (4): 545-556.
19.	Roy, T. S., Roy, A., Ali, M., Chakraborty, R. , Mostofa, M., Mahato, A. K. and Sultana, N. (2019). Organoleptic and grain quality traits of aromatic rice varieties as influenced by supplementation of Zn and 2-acetyl-1-pyrroline. Plant Science Today, 6 (4): 518-527 (Scopus Indexed).
20.	Maruf Mostofa, Tuhin Suvra Roy, Rajesh Chakraborty (2019). Bio-active compounds of potato influenced by vermicompost and tuber size during ambient storage condition. International Journal of Recycling of Organic Waste in Agriculture, 8 : 225-234 (Springer Publication).
21.	Maruf Mostofa, Tuhin Suvra Roy, Rajesh Chakraborty , Jannatul Ferdous, Farzana Nowroz, Rehana Noor (2019). Effect of vermicompost and tuber size on total soluble solids, sucrose and skin color of potato under ambient storage condition. Azarian J. Agric. 6 (3): 58-66.
22.	Ferdous, J., Roy, T. S., Chakraborty, R. , Mostofa, M., Nowroz, F. and Noor, R. (2019). Starch and Sugar Content of Some Selected Potato Varieties as Influenced by Vermicompost. Azarian J. Agric. 6 (2): 47-57.
23.	Ferdous, J., Roy, T. S., Chakraborty, R. , Mostofa, M., Kundu, B. C. And Delowar, H. K. (2019). Vitamin C, Antioxidant and Polyphenol Activity of Some Selected Potato Varieties as Influenced by Vermicompost. Journal of Experimental Agriculture International, 33 (1): 1-9.
24.	Mostofa, M., Roy, T. S., Chakraborty, R. , Modak, S., Kundu, P. K., Zaman, M. S. And Shamsuzzoha, M. (2018). Effect of Vermicompost and Tuber Size on Processing Quality of Potato during Ambient Storage Condition. International Journal of Plant & Soil Science, 26 (3): 1-18.
25.	Jahan, M. S., Sarkar, D. M., Chakraborty, R. , Solaiman, A. H. M., Akter, A., Sheng, S. H. U. and Shirong, G. U. O. (2018). Impacts of Plastic Filming on Growth Environment, Yield Parameters and Quality Attributes of Lettuce. Notulae

	Scientia Biologicae, 10(4): 522-529.
26.	Hossain, M. I., Rahman, M. M., Hossain, M. S., Chakraborty, Rajesh and Amin, R. (2018). Role of ways of insect visitors foraging for pollination in yield contributing traits of mustard. Journal of Biological Research-Bollettino della Società Italiana di Biologia Sperimentale, 91(1): 63-69 (Scopus Indexed).
27.	Rebeka Sultana, Md. Ismail Hossain, Md. Saifullah, Ruhul Amin, and Rajesh Chakraborty (2018). Influence of Substrate pH and Watering Frequency on the Growth of Oyster Mushroom. International Journal of Plant Biology & Research, 6(4): 1-5.
28.	M. T. Rahman, M. M. Haque, M. G. G. Mortuza, M. S. Hossain and Rajesh Chakraborty (2018). Influence of Foliar Boron Application on Ginning Traits, Fiber and Seed Quality of Cotton. Journal of Experimental Agriculture International, 23(1): 1-6. DOI: 10.9734/JEAI/2018/41279.
29.	Tofail Hosain, Elias Hossain, Rezowana Nizam, Fazle Bari A.S.M., and Rajesh Chakraborty (2018). Response of physiological characteristics and productivity of hybrid rice varieties under system of rice intensification (SRI) over the traditional cultivation. Internation Journal of Plant Biology and Research, 6(2): 1-10.
30.	Roy, T. S., Chakraborty, R. , Parvez, M. N., Mostofa, M., Ferdous, J. and Ahmed, S. (2017). Yield, dry matter and specific gravity of exportable potato: response to salt. Universal Journal of Agricultural Research, 5(2): 98-103. DOI: 10.13189/ujar.2017.050203 (Scopus indexed).
31.	Roy, T. S., Chakraborty, R. , Parvez, M. N., Biswas, S. and Chakraborty, S. (2017). Development of sustainable gross national income from potato export in Bangladesh-a perspective review. Universal Journal of Agricultural Research, 5(1): 46-51. DOI: 10.13189/ujar.2017.050107 (Scopus indexed).
32.	Rajesh Chakraborty , T.S. Roy, M. Quamruzzaman, M. Yeasmin, N. Bandopaddhya (2016). Resistant starch a new weapon against disease fighting of potato eater: a focused review. Asian Journal of Pharmaceutics, 10(3): 1-5 (Scopus Indexed).
33.	Quamruzzaman, M., Ullah, M. J., Rahman, M. J., Chakraborty, Rajesh. , Rahman, M. M. and Rasul, M. G. (2016). Organoleptic assessment of groundnut (<i>Arachis hypogaea</i> L.) as influenced by boron and artificial lightening at night. World Journal of Agricultural Sciences, 12(1): 1-6. DOI: 10.5829/idosi.wjas.2016.12.1.1896.
34.	Chakraborty, R. , Roy, T. S., Quamruzzaman, M., Bandopaddhya, N. and Rasul, M. G. (2016). Performance of legendary local fragrant rice in bangladesh. Journal of Agriculture and Ecology Research International, 6(4): 1-7. DOI: 10.9734/JAERI/2016/23009.
35.	Chakraborty, R. , and Roy, T. S. (2016). Threats faced by brown rot of potato in Bangladesh. Microbiology Research, 7(1): 8-12, DOI:10.4081/mr.2016.6258 (Web

	Science Indexed).
36.	Roy, T. S., Haque, N., Chakraborty, R. , Islam, S. and Haque, A. (2016). True Seed Production from Potato Mother Plant as Influenced by N, P and K Fertilization. World Journal of Agricultural Sciences, 12 (1): 07-14.
37.	Chakraborty, R; Tanvir E. Chowdhury; Md. Jafrul I. Sumon; Maruf Mostofa and Mohammed L. Rahman (2015). Contribution of flower removal on the performance of Mungbean. European Journal of Experimental Biology, 5 (3): 66-71.
38.	Solaiman, A.H.M.; Takashi Nishizawa; Tuhin Suvra Roy;Mahfuzar Rahman; Rajesh Chakraborty; Jannath Choudhury; Md. Dulal Sarkar and Mirza Hasanuzzaman (2015). Yield, dry Matter, specific gravity and color of three Bangladeshi local potato cultivars as influenced by stage of maturity. Journal of Plant Sciences 10 (3): 108-115. DOI: 10.3923/jps.2015.108.115 (Scopus Indexed).
39.	Roy, T.S.; Rajesh Chakraborty; Tanvir Ehsan Chowdhury; Md. Jafrul Islam Sumon and Md. Quamruzzaman (2015). Efficacy of plant growth regulators (PGRs) on potato mother plant for the production of hybrid true potato seed. European Academic Research, 3 (12): 15940-15951.
40.	Sarker, S. C., Chakraborty, R. , Hussain, M. A., Islam, M. S. and Quamruzzaman, M. (2015). Tillering behavior of hybrid boro rice (Heera 4) as responded by nitrogen and methods of weeding. American research thoughts, 1 (5): 1442-1449.
41.	Islam, M. S., Paul, A. K., Hossain, M., Alam, M. A., Khan, M. I. K. and Chakraborty, Rajesh. Yield Dynamics, Nutrient Contents and Soil Properties under T. aman (cv. BR 11) Rice as Influenced by Source and Management of Nitrogen. European academic research, 2 (12): 16046-16060.
42.	Sarker, S. C., Ali, M. H., Biswas, P. K., Chakraborty, Rajesh. , Amin, R. and Khandker, S. (2015). Contribution of nitrogen and methods of weeding on the yield components and yield of hybrid boro rice (Heera 4). European academic research, 3 (3): 3446-3460.
43.	Roy, T.S.; M. A. Baque; Rajesh Chakraborty; M. N. Haque and P. Suter (2015). Yield and economic return of seedling tuber derived from true potato seed as influenced by tuber size and plant spacing. Universal Journal of Agricultural Research 3 (1): 23-30. DOI:10.13189/ujar.2015.030105 (Scopus indexed).
44.	Roy, T.S.; Mahsin T.; Rajesh Chakraborty; Auditi, M. and Ruhul, A. (2014). Performance of seedling tuber derived from true potato seed as influenced by tuber size and plant spacing. International Journal of Current Research, 6 (12): 10869-10873.

10.2 Proceedings:	
SL	Detail of proceedings

No.	
1.	Nishizawa, T.; S. Takaki; K. Ikada; T. Arai; X. Li; Y. Motomara; K. Nara; M.M. Rahman; Rajesh Chakraborty and T.S. Roy. (2014). Histological traits of starch granules of local potato (<i>Solanum tuberosum</i> L.) varieties in Bangladesh. The 3 rd Asia Pacific Symposium on Postharvest Research, Education and Extension. Victoria Hotel, Ho Chi Minh City, Viet Nam , 9-11 December.
2.	Nishizawa, T.; T.S. Roy; S. Takaki; K. Ikada; T. Arai; K. Nara; M.M. Rahman; R. Chakraborty and Y. Motomara (2015). Morphological and physiological traits of starch granules of local potato varieties in Bangladesh as compared with those of common commercial potato varieties. Horticultural Research, Japan , 14, December.
3.	Nishizawa, T., T.S. Roy; K. Nara; M. Rahman; R. Chakraborty , X. Li and Y. Motomur. (2017). Do varietal differences in the morphological traits of potato tubers affect histological and physiological traits of the starch granules? Book of abstracts, VII South-eastern Europe symposium on vegetables and potatoes, June 20-23, Maribor, Slovenia .
4.	Taufique, T., T. Nishizawa, M. Kiuchi, T.S. Roy, M. Rahman, R. Chakraborty and K. Nara. (2017). Effect of cold storage period on the physiological and histological changes of potato starch derived from seed potato and TPS (True Potato Seed) tubers. Tohoku Branch of the Horticultural Society Heisei 29 th Festival Summary of Research, August 17-18, Yamagata University Faculty of Agriculture, Yamagata, Japan .


10.3 Books:	
SL No.	Details of books
1.	Chakraborty, R. and Roy, T. S. (2016). Splitting of Nitrogen and Boron: a new dimension for quality TPS. LAP Lambert Academic Publishing, ISBN: 9783659932656 . Saarbrücken, Germany , pp. 116.

References:

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Sincerely yours

A rectangular box containing a handwritten signature in black ink. The signature is cursive and appears to read "Rajesh".

Rajesh Chakraborty