

Curriculum Vitae of TAPON KUMAR ROY



Mailing Address

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PERSONAL DETAILS

Father's name : Adhir Roy
Mother's name : Promoda Bala
Date of birth : 16th October, 1991
Nationality : Bangladeshi by birth
Religion : Hindu
Marital status : Married
Sex : Male
Height : 5' 6"
Blood group : 'O+'
Permanent address : Village:Kundopukur (sahapara), Post:Pulerhat, Post-code:5200
Upazila:Sadar, District: Nilphamari,Bangladesh
Present Address : Entomology Division, Bangladesh Rice Research Institute (BRRI),
Gazipur
National ID No. : 8663173980

Field Of Specialization: Insect and Pest of Rice, Toxicology, Pesticide residue analysis, Nano-particle, Storage pests, Botanicals, Natural Enemy, Salt Stress Physiology, Soil Salinity, Rice, Leadership.

ACADEMIC QUALIFICATIONS:

Name of Examination	Duration	Year of passing	Board/University
MS (Crop physiology & ecology)	1.5 years	2017	Hajee Mohammad Danesh Science & Technology University (HSTU), Dinajpur
B.Sc. Ag. (Hons.)	4 years	2015	Hajee Mohammad Danesh Science & Technology University (HSTU), Dinajpur.
H.S.C.	2 years	2010	Dinajpur
S.S.C.	2 years	2008	Rajshahi

Biometrical analysis software:

R Studio, MSTAT-C, Polo Plus, QGIS, Statistics10, Mendele, Microsoft Word, Microsoft Excel, Microsoft PowerPoint.

TRAINING EXPERIENCES:

SL	Title	Duration	Year	Venue/ Conduct
01	Research Methodology	02-15 February (14 days)	2020	Graduate Training Institute (GTI), Mymensing
02	Scientific Report Writing Training Course	11-15 October (5 days)	2020	Bangladesh Rice Research Institute (BRRI), Gazipur
03	N-27 Foundation Training Course for NARs Scientist	120 days	2020-2021	National Agriculture Training Academy (NATA), Gazipur
04	International Web Conference on Ensuring Food Safety, Security and Sustainability through Crop Protection	5-6 August (2 days)	2020	Bihar Agriculture University, India
05	Production, Processing, Conservation, Marketing of Quality Seed and Seed Law	02 Sept.	2020	Seed certified Agency, Rangpur
06	Hands on training for using high throughput phenotypic system for C4 rice research course	31 March to 1 April	2021	Bangladesh Rice Research Institute, (BRRI), Gazipur
07	Training on advanced research data management and refresh of scientific report writing	2 to 7 October	2021	Bangladesh Rice Research Institute, (BRRI), Gazipur
08	Hands on training in analytical instruments and sampling procedures	17 to 31 October	2021	Bangladesh Rice Research Institute, (BRRI), Gazipur
09	Hands on training in HPLC, LCMS and ICPOES	13 to 27 December	2021	Bangladesh Rice Research Institute, (BRRI), Gazipur
10	Modern Rice production Training	27 th January to 27 th March (60 days)	2022	Bangladesh Rice Research Institute, (BRRI), Gazipur
11	Rules & Regulations for Organizational Management	6 to 10 November (5 days)	2022	National Agriculture Training Academy(NATA), Gazipur
12	Rice arthropod identification from sweep net & light trap collection	24 to 26 January (3 days)	2023	Bangladesh Rice Research Institute, (BRRI), Gazipur
13	Technical Report Writing and Editing	5-7 March (3 days)	2023	Bangladesh Agriculture Research Council (BARC)
14	Hybrid Rice Cultivation and Seed Production Technologies	7-11 May (5 days)	2023	Bangladesh Rice Research Institute, (BRRI), Gazipur
15	Bioinformatics for future rice	20 April-3 May (14 days)	2024	Bangladesh Rice Research Institute, (BRRI), Gazipur

Research Experience:

*Management of rice storage pest and rice leaf folder by using botanicals.

*Pesticidal residue analysis through LCMS, LCMS/MS & GCMS/MS

*Conservation of natural enemies through eco-engineering

Synergistic Activities:

Monitoring insect pest and natural enemy incidence pattern using light trap and surveying farmer's field. Monitoring team member of variety development program at BRRI regional station Rangpur on PYT (Preliminary Yield Trial), RYT (Regional Yield Trial), MLT (Multi-Location Yield Trial), Bacterial Blast Resistance Rice; Long-term missing element trial for diagnosing the limiting nutrient in soil; Influence of Nitrogen and Potassium rates on performance of modern rice; Effect of planting time on growth and yield of some BRRI released Boro varieties; seedlings raising techniques through polythene covering. Team member of

ALART (Advanced Line Adaptive Research Trial), PVT (Proposed Variety Trial) at BRRRI regional station Rangpur and BRRRI gazipur.

EXTRA CURRICULAMS:

Acted as **General Secretary** at *Debating Society of Hajee Mohammad Danesh Science and Technology University* in the year of 2016-17. Also acted as Joint-Secretary at *National Debate Fedaration(NDF-BD), Bangladesh(2017-19)* and Co-Chairman at *National Debate Fedaration(NDF-BD), Bangladesh(2019-23)*. **Convener** at ‘5th NDF-BD Rangpur Divisional Debate Festival 2018’.

English Language Proficiency: The medium of instruction in Bachelor of Science (Hons.) and Master of Science (MS) was English.

EMPLOYMENT HISTORY

Post Hold	Organization	Duration
Scientific Officer (SO)	Bangladesh Rice Research Institute (BRRRI), Regional Station, Rangpur.	27 October 2019 to 9 January 2023
Working Scientist (Pesticide Analysis)	Rice Analytical Laboratory (RAL) , at Bangladesh Rice Research Institute (BRRRI), Gazipur	21 July 2023 to till date (Deputation)
Scientific Officer (SO)	Entomology Division, Bangladesh Rice Research Institute (BRRRI), Gazipur	15 January 2023 to till date

MEMBERSHIP OF THE PROFESSIONAL ASSOCIATION:

Member, Krishibid (Agriculturist) Institution of Bangladesh (KIB).

Member, BRRRI Scientists Association (BRRISA).

Member, Bangladesh Entomological Society (BES)

Member, Bangladesh Society of Plant Science and Technology (BSPST)

AWARDS AND HONOURS:

1. National Integrity Award 2021-22, BRRRI regional station Rangpur
2. Best Worker (Scientist) Award 2020-21, BRRRI regional station, Rangpur

SCIENTIFIC PUBLICATION: Total **9** (Nine) Publication in both National and International journal and **3** Conference paper/poster presentation in national and international conference.

International Journal: 5 (Five)

A. First Author

1. **Roy, T.K.**, Sannal, A., Kabir, M.M.M., Monir. N., Tareq, K.H., & Rana, M.M. (2024). Evaluation of the insecticidal effectiveness of Azadirachta indica plant parts and naphthalene on rice weevil infestation during storage. *African and Mediterranean Agricultural Journal-Al Awamia*. 142:73-88

B. Co-Author

2. Ali, M.P., Haque, S.S., Hossain, M.M., Bari, M.N., Kabir, M.M.M., **Roy, T.K.**, Dutta, J.,Howlader, M.T.H., Alam, S.N., & Krupnik, T.J. (2023). Development and demographic parameters of Fall Armyworm (*Spodoptera frugiperda* J.E. Smith) when feeding on rice (*Oryza sativa*). *CABI Agriculture and Bioscience* **4**, 29 (2023). <https://doi.org/10.1186/s43170-023-00162-6>
3. Alam, Z., Akter, S., Khan, M. A. H., Amin, M. N., Karim, M. R., Rahman, M. H. S., Rashid, M.H., Rahman, M.M., Mocarroma, N., Sabuz, A.A., Alam, M.J., **Roy, T.K.**, Rahaman, E.H.M.S., Ali, M.A., Chanda, D., Sarker, U. (2024). Multivariate analysis of yield and quality traits in sweet potato genotypes (*Ipomoea batatas* L.). *Scientia Horticulturae*, 328, 112901. <https://doi.org/10.1016/j.scienta.2024.112901>

4. Rana, M.M., Hossain, M.B., **Roy, T.K.**, Shultana, R., Hasan, M.R., Naher, U.A., Biswas, J.C. and Maniruzzaman, M. (2023). Response of Yield and Agronomic Output of Bangabandhu dhan100 under Varying Sowing Window in Cold Prone Rangpur Region. *Indian Journal of Agricultural Research*. DOI: [10.18805/IJARE.AF-796](https://doi.org/10.18805/IJARE.AF-796)
5. Kabir, M.M.M., Ali, M.P., Datta, J., Topy, S.N., Debonath, A., Nasif, S.O., **Roy, T.K.**, and Uddin, A.B.M.A. (2023). Period of effective catching of insect pests and natural enemies in light traps. *International Journal of Agricultural and Applied Sciences*, 4(1): 12-16. <https://doi.org/10.52804/ijaas2023.412>

National Journal: 04 (Four)

C. First Author

6. **Roy, T.K.**, Sannal, A., Akter, S., Tonmoy, S., Chakrobarty, T., Hasan, M., & Bari, M. (2023). Pesticidal effect of naphthalene and different botanicals against anguimous grain moth (*Sitotroga cerealella*). *Bangladesh Journal of Scientific and Industrial Research*, 58(3), 155–162. <https://doi.org/10.3329/bjsir.v58i3.66797>
7. **Roy, T.K.**, Tonmoy, S.M.M.S., Sannal, A., Akter, S., Tarek, K.H., Rana, M.M., and Hasan, M.R. (2022). Yield performance of some short duration high yielding rice varieties during boro season in northern region of Bangladesh. *International Journal of Natural and Social Sciences*, 9(4): 15-21. DOI: [10.5281/zenodo.7877953](https://doi.org/10.5281/zenodo.7877953)
8. **Roy, T.K.**, Hasan, Md., Pramanik, S., & Sikder, S. (2021). Yield performance of rice varieties under NaCl induced salinity stress in boro season. *Journal of Science and Technology (Dinajpur)*, 19: 40-51. https://jst.hstu.ac.bd/assets_vcc/files/vol_19/JST_19_21_5.pdf

D. Co-Author

9. Badshah, M. A., Hasan, M. R. ., **Roy, T. K.**, & Rahman, M. A. (2023). Effect of Polythene Covering on Seedling Quality and It's Carryover Effect on Field Duration and Grain Yield of Rice. *Bangladesh Rice Journal*, 26(1), 59–68. <https://doi.org/10.3329/brj.v26i1.66595>

Conference Paper/ Poster Presentation: 3 (Three)

1. **Roy, T. K.**, Sannal, A., & Akter, A. (2023). YIELD PERFORMANCE AND CORRELATION COEFFICIENT OF SOME LONG DURATION HIGH YIELDING RICE (ORYZA SATIVA L.) VARIETIES DURING BORO SEASON IN NORTHERN REGION OF BANGLADESH. *International Rice Congress. 16 October, 2023*. Manila, Philippines. <https://doi.org/10.5281/zenodo.10399822>
2. **Roy, T. K.**, Sannal, A., & Bari, M. N. (2023). Pesticidal Effect of Different Botanicals and Chemical against Anguimous grain moth (*Sitotroga cerealella*). *International Rice Congress. 16 October, 2023*. Manila, Philippines. <https://doi.org/10.5281/zenodo.10399154>
3. **Tapon Kumar Roy**, Anamika Sannal, Mir Md Moniruzzaman Kabir, Sanjida Akter, Abu Nayeem, Zakaria Alam, Md Rokebul Hasan & Md Nazmul Bari. (2024). Seasonal variations of insect abundance: correlating growth stage-specific metrics with weather patterns in rangpur region, Bangladesh. International Conference on Entomological research and development in last fifty years: Challenges and way forward. Bangladesh Entomological society, BARC, Dhaka. 9 March, 2024

Leaflet/book: 2 (two) Leaflets)

1. Ways for yield maximization of Boro rice in Rangpur-Dinajpur region. Dr. Adil Badshah, Md. Rokebul Hasan, Tapon Kumar Roy. June 2020
2. Ways for yield maximization of T Aman rice in Rangpur-Dinajpur region. Dr. Md. Rokebul Hasan, Anowara Akter, Tapon Kumar Roy & Md. Khalid Hasan Tareq. June 2022

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(26.05.2024)
(TAPON KUMAR ROY)