

CURRICULUM VITAE

Ripon Kumar Roy
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Division, Bangladesh Rice Research Institute
(BRRI), Gazipur-1701, Bangladesh.

Date of Birth : 16 July, 1983

Nationality : Bangladeshi

Sex : Male

Religion : Hindu

Marital status : Married

Educational qualification

Degree	Board/University	Class/ Grade	Year of passing
MS (Genetics & Plant Breeding)	Bangabandhu Sheikh Mujibur Rahman Agricultural University	CGPA 3.82 out of 4	2009
B.Sc. Ag. (Hons.)	Patuakhali Science and Technology University	CGPA 3.79 out of 4	2007
Higher Secondary School Certificate	Barisal	First	2003
Secondary School Certificate	Jessore	First	1999

Job Experience

I served as a **Scientific Officer** in a project entitled “Strengthening and Capacity Building of Biotechnology Laboratory in BRRI” at Biotechnology Division in Bangladesh Rice Research Institute (BRRI), Gazipur from December, 2008 to April 2010. During that period I was involved in anther culture of rice for development of stress (drought and salt tolerant) rice varieties.

Now I am working as a **Scientific Officer** at Biotechnology Division in Bangladesh Rice Research Institute (BRRI) from 6 May, 2010. My job responsibilities is development of rice variety for favourable and stress (Salinity and Drought) ecosystems. In this service period my work experiences are listed below.

1. Development of stress (Salinity and Drought) tolerant rice varieties through anther culture.
2. Screening BRRI released rice varieties and germplasm for salinity tolerant at seedling stage.
3. Field performance evaluation of anther culture derived lines at saline and favourable ecosystem.
4. Characterization of BRRI released rice varieties through an integrated (molecular and morphological) approach.
5. Development of stress (drought and salinity) tolerant rice varieties by integrating *TPSP*, *GlyI* and *GlyII* genes in BRRI dhan29 through agrobacterium mediated transformation.
6. Development of bacterial blight resistant rice variety through Marker Assisted Back Cross Breeding (MABC).

Other relevant experience

Data analysis: I have practical knowledge to operate MStatC, Genstat, IRRISTAT, AlphaEaseFC, GGT, QGene, Power marker, Primer3, NTSyspc, Bioedit software for data analysing and interpreting.

Bioinformatics tool use: I know how to use BLAST and ClustalW.

Publication

A. Research Article (Published as full length paper)

1. Ansari A., A W Julfiqar., M G Rasul., **R K Roy** and R R Majumder (2010). Assesment of variability of out crossing and yield trials in cytoplasmic male sterile lines of hybrid rice (*Oryza sativa L*). *Eco-friendly Agril. J.3 (2):84-88*.
2. H Begum., M A Motalib., A Akter., M U Kulsum., **R K Roy** (2013). Wild species identification using morphological markers. *Eco-friendly Agril. J.6 (01):13-16-88*.
3. M Paul, R R Majumder, H Khatun, L Ali and **R K Roy (2014)**. Genetic variability and character association in tomato (*Lycopersicon esculentum* Mill.). *Eco-friendly Agril. J.7(10):100-104*.
4. M.M. Islam., S. M. H. A Rabbi., N. Sultana., **R. K. Roy** and A Taher (2008). Nutrient consumption pattern and monthly income of saotal families in Bangladesh. *J.agric.educ.technol. 11(1&2):39-44*.
5. Md. Monirul Islam, Md. Enamul Hoque, **Ripon Kumar Ray**, Md. Shamiul Haque and Md. Shamsher Ali (2015). DNA fingerprinting and diversity analysis in Aus genotypes using microsatellite markers. *J. BioSci. Biotechnol. 4(2): 167-174*.
6. R.R. Majumder, **R.K. Roy**, M.A. Kader, T.L. Aditya and A. Ansari (2013). Variability, correlation and path analysis in maintainer lines of aromatic rice for out crossing traits. *Bangladesh j. crop sci. 2013, 25:139-146*.
7. Rahman M., M M Islam., **R K Roy.**, M H Rahman and S A Rezvi (2010). Multivariate analysis of maize *.Intl. Jl. of BioRes. 08(61): 59-64*.
8. Ratna Rani Majumder, **Ripon Kumar Roy** , MA Khaleque Mian and Nasrin Akter Ivy (2015). Genetic divergence of aromatic rice (*Oryza sativa L.*). *Bangladesh J. Bot. 44(2): 185-191*.

B. Research Article (Abstract)

1. **Roy R.K**, R.R. Majumder, S. Sultana, M.E. Hoque and M.S. Ali. 2014. Genetic variability, correlataion and path coefficient analysis for yield and yield components in transplanted Aman Rice (*Oryza sativa* L.). In: 9th Biennial Conference of Plant Breeding and Genetics Society of Bangladesh. P 76. KIB and BARC, Dhaka, 25-26 October 2014.
2. **Roy R. K.**, U. K. Sarker, M. A. Khalaque Mian. R. R. Majumder. 2011. Diallel analysis in local and HYV rice (*Oryza sativa* L.). In: Suevenir of 8th Biennial Conference of Plant Breeding and Genetics Society of Bangladesh to Address Stress Conditions in Bangladesh. P 53. Sher-e-Bangla Agricultural University, Dhaka, 10 December 2011.
3. Ratna Rani Majumder, M. A. Khaleque Mian, Nasrin Akter Ivy and **Ripon Kumar Roy**. 2011. Out crossing characteristics of identified b (maintainer line) and r line (restorer line) of rice. In: Suevenir of 8th Biennial Conference of Plant Breeding and Genetics Society of Bangladesh to Address Stress Conditions in Bangladesh. P 53. Sher-e-Bangla Agricultural University, Dhaka, 10 December 2011.

C. Book

1. Ali M. S., M. E. Hoque., S. Sultana., M. Z. Hossain., H.A. Rabbi., **R. K. Roy.**, N. Haque ., H Hossain., M. Isalm (2013). **An Integrated Approach to Characterize BRRI Released Rice Varieties**. Director General Bangladesh Rice Research Institute (BRRI), Gazipur -1701.

Participate in Training program

A. Foreign Training

Title	From	To	Duration	Training venue	Remarks
Training on Taq Polymerase Purification	6 .01.2013	21.01.2013	15 days	IRRI	Successfully Completed
Retrogression and Molecular Characterization of Respective Rice Lines	16.08.11	15.11.2011	90 days	Jawaharlal Nehru University, New Delhi, India.	Successfully Completed
Training on Biotechnology	25.05.2010	08.07.2010	45 days	Kasetsart University, Thailand	Successfully Completed

B. Local Training

Title	From	To	Duration	Training venue	Remarks
Training on Genetic Data Analysis software	23.06.2013	28.06.2013	6 days	Biotechnology Division, BRRI, Bangladesh.	Successfully Completed
Rice Breeder Seed Production and Preservation	18.06.2013	20.06.2013	3 days	Training Division, BRRI, Bangladesh.	Successfully Completed
Foundation Training Course for NARS Scientist(Batch-23)	23.01.2013	23.05.2013	4 months	BARD, Comilla, Bangladesh.	Successfully Completed
Data Management and Report Writing	08.04.2012	12.04.2012	5 days	IRRI Office Banani, Dhaka. Bangladesh.	Successfully Completed
Theory and Practice of Molecular Breeding in Rice	26.01. 2012	01.02.2012	7 Days	Plant Breeding Division BRRI, Gazipur, Bangladesh.	Successfully Completed
Hybrid rice development and seed production.	2.11.2009	4.11.2009	3 Days	Hybrid rice Unit, BRRI, Gazipur, Bangladesh.	Successfully Completed

Participate in Workshop

Title	From (dd/mm/yy)	To (dd/mm/yy)	Duration	Workshop venue	Remarks
Global Biosafety Management program "Approach to Product Development and Regulation"	3.10.11	5.10.11	03 days	Hotel Royal Orchid Jaipur, India.	Successfully Completed
Biotechnology for Food Security and Farmers` Prosperity	2.11.12	29.11.12	2 days	The Westin, Dhaka, Bangladesh.	Successfully Completed

Membership of Professional Societies

- a) Krishibid Institution Bangladesh.
- b) Genetics and Plant Breeding Society of Bangladesh
- c) Bangladesh Rice Research Institute Scientist`s Association
- d) Bangabandhu Krishibid Parishad

REFERENCES

1. Dr. Md. Enamul Hoque

Chief Scientific Officer(Additional Charge)
and Head, Biotechnology Division,
BRRI, Gazipur-1701.
Cell No.: 01716601099
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2. Mohammad Rafiqul Islam

Scientist (Plant Breeder)
Plant Breeding, Genetics and Biotechnology Division
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