

## Curriculum Vitae

### PERSONAL INFORMATION



### MD SHAFIKUR RAHMAN

Ph.D. Research Student in Organic Plant Breeding and Agrobiodiversity, University of Kassel since April 2021

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🌐 <https://www.uni-kassel.de/fb11agrар/fachgebiete/-/einrichtungen/oekologische-pflanzenzuechtung-und-agrarbiodiversitaet/arbeitsgruppe/md-shafikur-rahman-msc>

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Sex: Male | Date of birth: 31/12/1982 | Nationality: Bangladeshi

### PREFERRED JOB

Looking for a hard and challenging job in the area of Agricultural or Horticultural science where I will have the scope to utilize my potentiality and skills to do something innovative.

### EDUCATION

	International Master	Master of Science	B.Sc.Ag. (Hons.)	Higher Secondary Certificate	Secondary School Certificate
<b>Dates</b>	30 August, 2014	28 <sup>th</sup> August, 2007	18 <sup>th</sup> January, 2006	26 <sup>th</sup> August, 2000	2 <sup>nd</sup> August, 1998
<b>Title of qualification awarded</b>	International Master in Horticultural Science (IMaHS)	MS in Genetics and Plant Breeding (GPB)	B.Sc.Ag.(Hons.)	HSC	SSC
<b>Principal subjects</b>	Horticultural Science	Genetics and Plant Breeding	Agriculture/Plant Science	Science	Science
<b>Name of organisation</b>	Erasmusmundus exchanges MSc Scholarship Program Offered by 1. University of Bologna (UniBo), Italy 2. Technical University of Munich (TUM), Germany 3. University of Natural Resources & Applied Life Sciences (BOKU), Vienna, Austria	Bangladesh Agricultural University	Bangladesh Agricultural University	Jessore Board	Jessore Board
<b>Dissertation title</b>	Characterization of Malonyltransferase of <i>Arabidopsis thaliana</i>	Morphomolecular Genetic Study of Some Selected Groundnut Genotypes with Microsatellite Marker	Not applicable	Not applicable	Not applicable
<b>Result</b>	Grade point 105(1)	Grade A, CGPA (3.875 out of 4)	First Class	First Division	First Division
<b>Level in national or international classification</b>	International	International	International	National	National

RESEARCH  
PUBLICATIONS

Research Interest Score 144.8 and H index 5 with 85 citations [https://www.researchgate.net/profile/Md\\_Shafikur\\_Rahman2](https://www.researchgate.net/profile/Md_Shafikur_Rahman2)

**Journal Publications:**

1. MS Rahman, MKH Sohag, L Rahman, SMM Azam, K Khatun 2020: Heterosis in Hybrids Between Local and High Yielding Rice (*Oryza sativa* L.) Varieties of Bangladesh. International Journal of Innovative Research, 5(2):17-24.
2. MS Rahman, MKH Sohag, L Rahman, MS Alam, UK Nath, MK Bashar 2020: Genetic Fingerprinting for the Protection of Local Rice (*Oryza sativa* L.) Cultivars of Bangladesh. Journal of Advance Biotechnology and Experimental Therapeutics 3(3): 182-193.
3. MS Rahman 2020: A General Introduction of Propagation and Micropropagation Techniques of Macadamia Nut (*Macadamia spp.*). Journal of Advance Biotechnology and Experimental Therapeutics 3(2): 102-108.
4. K Khatun, MS Rahman, B Ahmed, MR Islam, MZ Hassan and MHJ Biplob 2019: Growth and Yield Performance of Grasspea under Different Methods of Sowing and Pre-Emergence Irrigation. Advances in Biological Research, © IDOSI Publications, 13 (3): 89-94.
5. SMM Azam, MS Islam, MS Rahman, P Shahanaz and SMS Alam 2019: DNA fingerprinting and molecular characterization of Brassica cultivars using RAPD markers. Research Journal of Biotechnology, 14 (8): 40-44.
6. MS Rahman, SMM Azam, MS Islam, P Shahanaz and SMS Alam 2019: Molecular Characterization of Brassica Cultivars through RAPD Markers. United International Journal for Research & Technology (UIJRT), 1(3):41-45.
7. MS Rahman, MK Alam, QKJ Mustakima, MKH Sohag, NU Ahmed, UK Nath, MS Alam and L Rahman 2016: SSR Based Molecular Diversity Study in Local Rice (*Oryza sativa* L.) Genotypes of Bangladesh. International Journal of Innovative Research, 1(2):17-24.
8. MH Rashid, MS Rahman, SC Nath, SSRM Mahe, A Sorwar and MT Ahmed 2016: Use of RAPD Markers to Analyze Genetic Variability of Introgressed Brassica Lines. The Agriculturists 14(1): 122-133.
9. MS Rahman, MKH Sohag, L Rahman 2014: Distinctness of 110 Rice (*Oryza sativa* L.) Varieties of Bangladesh Using Morphological Traits. Journal of Bangladesh Agricultural University 12(1): 29-36.
10. MS Rahman, MKH Sohag and L Rahman 2010: Microsatellite Based DNA Fingerprinting of 28 Local Rice (*Oryza sativa* L.) Varieties of Bangladesh. Journal of the Bangladesh Agricultural University. 8(1): 7-17.
11. MS Rahman, MS Alam 2008: Morphomolecular Genetic Study of Some Selected Groundnut Genotypes with Microsatellite Marker. Journal of the Bangladesh Agricultural University 6(1): 1-9.
12. MS Islam, MS Rahman, MS Alam, MN Islam 2008: Isolation and Molecular Characterization of 23 Groundnut (*Arachis hypogaea* L.) Genotypes Using Microsatellite Markers. Bangladesh Journal of Agricultural Science 35(1): 67-75.
13. MS Rahman, MS Islam, MN Islam, L Rahman 2008: Morphological Traits of Distinctness of 91 rice (*Oryza sativa* L.) Varieties/Cultivars/Landraces of Bangladesh. Bangladesh Journal of Agricultural Science 35 (2):189-199.
14. L Rahman, MN Islam, MS Rahman, MS Islam, MS Alam, MK Bashar 2008: Characterization of 94 Rice (*Oryza sativa* L.) Varieties of BANGLADESH Based on Microsatellite Loci. Bangladesh Journal of Agricultural Science 35(1): 97-112.
15. MS Rahman, MS Alam 2007: Genetic Diversity Study of 10 Groundnut (*Arachis hypogaea* L.) Genotypes Using Microsatellite Marker. Journal of the Bangladesh Society of Agricultural Science & Technology 4(3&4): 165-168.

**Published Reports : \*\*\*ISBN: 984-300-001120-8**

1. L Rahman, MR Molla, S Sultana, MN Islam, NU Ahmed, MS Rahman, M Nazim-ud-Dowla and MS Rahman 2007. Plant Varieties of Bangladesh: Morphological and Molecular Characterization. Published by Seed Wing, Ministry of Agriculture, Government of the Peoples' Republic of Bangladesh, Vol. 1, 486 p.
2. L Rahman, MN Islam, MS Rahman, MS Islam, MS Alam, L Hassan, MK Bashar 2008: Plant Varieties of Bangladesh: Morphological and Molecular Characterization. Published by Seed Wing, Ministry of Agriculture (MoA), Government of the People's Republic of Bangladesh, Vol. 2, 300 p.
3. L Rahman, MS Alam, L Hassan, MS Alam, MK Bashar, MN Islam, MS Rahman, MS Islam, MR Molla, S Sultana, NU Ahmed, MS Rahman, N Dowla 2008: Rice Varieties of Bangladesh: Morphological and Molecular Characterization. Published by Seed Wing, Ministry of Agriculture, Government of the People's Republic of Bangladesh. 80 p.
4. L Rahman, MS Rahman, MKH Sohag, MS Alam, MK Bashar 2009: Plant Varieties of Bangladesh: Morphological and Molecular Characterization. Published by Seed Wing, Ministry of Agriculture, Government of the People's Republic of Bangladesh, Vol. 3, 394 p.
5. Rahman *et al.*, 2010: Plant Varieties of Bangladesh: Morphological and Molecular Characterization. Published by Seed Wing, Ministry of Agriculture, Government of the People's Republic of Bangladesh, Vol. 4, 550 p.

**Thesis Publications:**

1. Characterization of Malonyltransferase of *Arabidopsis thaliana*
2. Morphomolecular Genetic Study of Some Selected Groundnut Genotypes with Microsatellite Marker

## Curriculum Vitae

### WORK EXPERIENCE

Position	Name of the Organization/Project	Responsible Tasks	Duration
<b>Faculty Member</b>	Department of Biotechnology Faculty of Agriculture Patuakhali Science and Technology University (PSTU), Bangladesh	Teaching and Research	May/2010 to date
<b>MS student</b>	Laboratory of Biotechnology of Horticultural Crops, Technical University of Munich, Freising, Germany	MS thesis research "Characterization of Malonyltransferase of Arabidopsis thaliana" under the project of Investigating the modes of action of the plant steroid hormones "Brassinosteroids"	Mar./2014 to Aug./2014 (Six months)
<b>Principal Investigator</b>	"Morphological Characterization & Documentation of Salt Tolerant Rice Varieties of Bangladesh" funded by Patuakhali Science and Technology University	Morphological Characterization & Documentation	Jan./2012 to Dec./2012 (One year)
<b>Associate Investigator</b>	"Breeding for Saline Resistant Jute Varieties through Rapid Screening and DNA Marker Assisted Selection" funded by Ministry of Science and Information & Communication Technology, Government of the People's Republic of Bangladesh	Marker Assisted Selection	Jan./2011 to Dec./13 (3 years)
<b>Researcher</b>	"Genetic Improvement of Lady's Finger by Exploring and Exploiting of Potential Combiner with Molecular Characterization" funded by Patuakhali Science and Technology University	Genetic Improvement	Jun./2010 to May/2012 (2 years)
<b>Research Associate</b>	"Characterization and Documentation of Released Varieties of All Crops" of the Seed Wing, Ministry of Agriculture, Government of the People's Republic of Bangladesh (3rd Part)	Morphological and Molecular Characterization	I. May to Jun./2008 as a bridging work for the next project. II. Jul./2008 to Jun./2009 (3rd Part).
<b>Research Associate</b>	"Characterization and Documentation of Released Varieties of All Crops" of the Seed Wing, Ministry of Agriculture, Government of the People's Republic of Bangladesh (2nd Part).	Morphological and Molecular Characterization	Jun./2007 to Apr./2008 (One year)
<b>Research Associate</b>	Biochemical and Molecular Resources of Peanut to Drought Stress and Their Role of Alfatoxin Contamination	Morphological and Molecular Characterization	Jan. to June/2007 (Six months)
<b>MS student</b>	Genetic Finger Printing (GFP) of Crop Varieties of Bangladesh (1st Part)	I. MS thesis research "Morphomolecular Genetic Study of Some Selected Groundnut Genotypes with Microsatellite SSR Marker" II. In addition trained in GFP of 157 varieties of 20 crop species in the GFP of GPB Lab. BAU, Bangladesh	I. Jan. to May/2006 II. June/2006

## LANGUAGE SKILLS

**Mother Tongue** Bengali  
**English** IELTS Band Score **6.0** by the British Council

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	Poor	Competent	Poor	Competent	Poor
Italian	Poor	Competent	Poor	Competent	Poor
Arabic	Poor	Good	Competent	Poor	Competent
Hindi	Good	Poor	Good	Competent	Poor
Urdu	Good	Poor	Good	Competent	Poor

## PERSONAL SKILLS

**Communication skills** I was one of the international exchange students of Erasmus Mundus IMAHS program since 2012 to 2014 where I had to communicate there with Asian, European, African, Latin American students respectively.

**Organizational Skill** Organized different co-curricular activities for the students

**Leadership Skills** Assistant hall provost, Sher-E-Bangla Hall, PSTU from October 24, 2010–June 12, 2012 and July 11, 2016–June 30, 2018

**Professional Membership**

1. Reviewer of the Journal: Frontiers <http://www.frontiersin.org/Journal/Frontiers.aspx>
2. Member, Plant Breeding and Genetic Society of Bangladesh
3. Member, Global Network of Bangladeshi Biotechnologists
4. Member, National Institute of Biotechnology
5. Member, Bangladesh Krishibid (Agriculturist) Institution

**Computer skills** Basic of MS Office (MS Word, MS Excel, MS PowerPoint); Adobe Photoshop and Adobe Illustrator; Mendeley, R-Studio, STATA, PopGen, DNAfrag analysis, GenAlEx, PowerMarker, Arlequin along with several online bioinformatics pipelines

## References

## Referee 1

**Prof. Dr. Gunter Backes**  
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## Referee 2

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 in Horticultural Science)  
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