



MD. IMDADUL HOQUE, Ph.D.
Vice Chancellor
Jagannath University

Curriculum Vitae

Previous Positions:

Professor - Selection Grade since 2011

Department of Botany, University of Dhaka, Dhaka-1000

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Dean, Faculty of Biological Sciences, University of Dhaka since December 12, 2012 to 01/06/2021 (**Elected Four times**)

Appointed as Visiting Scientist: University of California, Riverside, USA since May 2010

Permanent Address: S/o: Late Efaz Uddin Mollah, House: C/12, Salimullah Road, Kalachand Para (Jorbangla), P.S.: Pabna Sadar, P.O. & Dist: Pabna-6600

Fellow: Alexander von Humboldt Foundation, Germany

National Correspondent: International Association for Plant Biotechnology (IAPB)

Bangladesh Focal Point: FAO-GM-Food Platform

Education:

M.Sc. (Botany): 1978: Department of Botany, University of Dhaka

Ph.D. (Botany: Specialization in Plant Breeding & Biotechnology). 1988. University of Dhaka

Post-Doctoral Research:

1. April 1999 - October 2000: Dept. of Molecular Genetics, University of Hannover, Germany on Plant Biotechnology (Genetic Transformation in Lentil) under the Alexander von Humboldt Fellowship, Germany.
2. May 2003 - October 2003: Dept. of Molecular Genetics, University of Hannover, Germany on Plant Biotechnology (Genetic Transformation in Lentil) under the Alexander von Humboldt Fellowship, Germany.
3. June 2004 - August 2004: Dept. of Molecular Genetics, University of Hannover, Germany on Genetic Transformation and RAPD marker studies in chickpea and lentil under the Alexander von Humboldt Fellowship, Germany.
4. January 2010 - February 2010: Department of Botany and Plant Sciences, University of California, Riverside, CA. USA on the Improvement of peanut using plant biotechnology under the USDA Fellowship.

Elected Vice President: Dhaka University Teachers' Association (**DUTA**): **2016**

Elected Member, Executive Committee: Dhaka University Teachers' Association (**DUTA**): **2017**

Elected Vice President: Dhaka University Teachers' Association (**DUTA**): **2018**

Member Governing Body:

1. Bangladesh Accreditation Board (BAB): Nominee of the Ministry of Industries
2. National Institute of Biotechnology (NIB), Ganakbari, Savar, Dhaka: Expert Member
3. Jainul Haque Sikder Women's Medical College, Rayer Bazar
4. Update Dental College, Ashulia, Dhaka
5. International Medical College, Tongi, Gazipur
6. Bangladesh College of Home Economics, Green Road, Dhaka
7. National Home Economics

8. Mymensingh Home Economics College

Supervision of MS & Ph.D. students:

A: Six students awarded Ph.D. degrees:

1. Molecular Characterization of Peanut (*Arachis hypogaea* L.) Germplasms in Bangladesh. 2014.
Name of the Ph.D. student: Md. Ahashan Habib (Degree awarded)
2. Development of disease resistant lentil (*Lens culinaris* Medik) lines through Agrobacterium-mediated genetic transformation. 2015.
Name of the Ph.D. student: Subroto Kumar Das (**Degree awarded**)
3. Genetic Diversity Analysis and Development of *In Vitro* Regeneration System in Selected Clones of Tea (*Camellia Sinensis* L.) Plant. 2018.
Name of the Ph.D. student: Shefali Boonerjee; (**Degree awarded**)
4. *In Vitro* Regeneration and Development of Stress Tolerant Peanut (*Arachis hypogaea* L.) Through Agrobacterium-Mediated Genetic Transformation. 2018.
Name of the Ph.D. student: Tanjina Akhtar Banu; (**Degree awarded**).

Ph.D. degree awarded under the Sandwich Programme of DAAD (Germany):

1. Dr. Rehana Hashem: Worked at the Institute of Molecular Genetics, University of Hannover, Germany, Jointly Supervised with Prof. Dr. Hans Jörg Jacobsen.
2. Dr. Md. Salim Khan: Worked at the Institute of Genetics, University of Hamburg, Germany, Jointly Supervised with Prof. Dr. Hans-Peter Mühlbach.

B. About 50 students obtained MS degrees

External Examiner for MS, M.Phil & Ph.D. theses:

1. As External Examiner regularly evaluating the thesis of MS, M.Phil & Ph.D. degrees from different universities at home and abroad.

Working Experience with United Nations Agencies:

1. Worked as a Consultant in International Atomic Energy Agency (IAEA), Vienna, to develop a Technical Document on “Low Cost Options for Tissue Culture Technology in Developing Countries”, IAEA-TECDOC- 1384, August 25 – 30, 2002.
2. Worked as Biotechnology Consultant in a FAO Project entitled “Assessment of Utilization and Potential of Biotechnological Advancement for Agricultural Development in Bangladesh”, BGD/02/005, December 14, 2002 – January 22, 2003.
3. Worked as National Lead Biotechnology Consultant in a FAO Project entitled "Assistance in the Formulation of Enabling Regulatory Measures for Research and Sustainable Application of Biotechnology", TCP-BGD/3102 from March 1, 2009 to December 31, 2009.

Professional Society Membership:

1. Life Member, Bangladesh Botanical Society
2. Life Member, Bangladesh Association for the Advancement of Science (BAAS)
3. Life Member, Bangladesh Association for Plant Tissue Culture & Biotechnology (BAPTC&B)
4. International Association for Plant Biotechnology (IAPB)
5. Plant Breeding and Genetics Society of Bangladesh
6. Life Member, Indian Science Congress Association (ISCA)
7. International Society of Plant Morphologists
8. Life Member, Alumni Association of German Universities in Bangladesh
9. Life Member, Dhaka University Botany Alumni Association (DUBAA)

Organizational Activities:

1. **Joint Secretary, Organizing Committee**, 1st International Plant Tissue Culture Conference, held on December 19-21, 1993.
2. **Joint Secretary, Organizing Committee**, 2nd International Plant Tissue Culture Conference, held on December 10-12, 1995 (Theme of the Conference: Commercial Application and Utilization of Plant Tissue Culture and Plant Transformation Techniques for the Developing Countries).
3. **Secretary, Organizing Committee**, 3rd International Plant Tissue Culture Conference, held on March 8 – 10, 1999 (Theme of the Conference: Biotechnology for Sustainable Agriculture).
4. **Secretary, Organizing Committee**, 4th International Plant Tissue Culture Conference, held on November 1 – 3, 2001 (Biotechnology for Plant Improvement).
5. **Secretary, Organizing Committee**, 5th International Plant Tissue Culture & Biotechnology Conference, held on December 4 – 6, 2004 (Theme of the Conference: Sustainable Biotechnology for Developing Countries).
6. **Secretary, Organizing Committee**, Plant Tissue Culture & Biotechnology Conference 2008, held on April 11 – 13, 2008 (Theme of the Conference: Opportunities and Challenges of Agricultural Biotechnology in Developing Countries).
7. **Coordinator** of the Training on National Bio-safety Under FAO Project - **TCP/BGD/3102** entitled "Assistance in the Formulation of Enabling Regulatory Measures for Research and Sustainable Application of Biotechnology" held at BCDM, Rajendrapur, Gazipur, Bangladesh from 21 – 30 November 2008.
8. **Secretary, Organizing Committee**, 6th International Plant Tissue Culture & Biotechnology Conference, held on December 3 – 5, 2010 (Theme of the Conference: Role of Biotechnology in Food Security and Climate Change).

Executive position held:

1. **Joint Secretary**, Executive Committee of Bangladesh Association for Plant Tissue Culture and Biotechnology (BAPTC&B) from 1989 to 1998.
2. **Joint Secretary General**, Bangladesh Botanical Society, 1991-1992
3. **Joint Secretary**, Executive Committee of Bangladesh Association for Plant Tissue Culture & Biotechnology (BAPTC&B) for the session 2001-2004.
4. **Treasurer**, Bangladesh Botanical Society (BBS) for the session 2003 – 2005.

5. **General Secretary**, Bangladesh Association for Plant Tissue Culture & Biotechnology (BAPTC&B) since January 1, 2004 till December 2011.
6. **Secretary General**, Bangladesh Botanical Society for the session 2012 – 2014.

International Seminar/Conference/Training Course Attended:

1. International Symposium on "Plant Cell Culture in Crop Improvement" held in Bose Institute, Calcutta, India from 6-10 Decemembr,1981.
2. Improvement of groundnut through hybridization and tissue culture at International Crops Research Institute for the Semi Arid Tropics (ICRISAT), Hyderabad, India from August 23 to September 3,1982.
3. XVth International Congress of Genetics held in New Delhi, India from 12-21 December, 1983.
- UNESCO sponsored Training Course on Plant Tissue Culture at the National Botanical Reserach Institute (NBRI), Lucknow, India from 23rd December,1983 to 5th January,1984.
4. Symp. on Applied Biotechnology of Medicinal, Aromatic and Timber Yielding Plants, held in Botany Department, Calcutta University, India from 12-13 January,1984.
5. COSTED arranged Symp. on "Role, opportunities and challenges for young scientists in developing countries", held in Madras, India from December 27-30, 1986.
6. 74th Session of Indian Science Congress Association, held in Bangalore, India from January 3-8,1987.
7. Miami Bio/Technology Winter Symposium, Miami, Florida, U.S.A. from January 19-24, 1992.
8. National Seminar on Ornamental Horticulture and Environment, Calcutta, India from 6 - 8 February, 1995
9. Micropropagation and Related Techniques for the Conservation and Use of Plant Genetic Resources and the Improvement of Crops. Germany, German Government Scholarship (DSE/ZEL), January – May, 1996.
10. 2nd International Crop Science Congress held from 17 - 24 November, 1996 at New Delhi, India
11. Attended in the Training Course on the Application of Genetic Engineering in Agriculture,16 - 27 February, 1998, at National Institute of Biotechnology & genetic Engineering (NIBGE), Faisalabad, Pakistan.
12. XVIIIth International Congress of Genetics, Beijing 10-15 August, 1998
13. Conference on Agricultural Biotechnology in Developing Countries : Towards Optimizing the Benefits for the Poor, organized by ZEF, ISAAA, AgrEvo & DSE from 15-16 November, 1999 at Bonn, Germany
14. Workshop on Rice Biotechnology : Serving the Poor, organized by BEAF, IRRI, BMZ & GTZ on November 17, 1999 at Bonn, Germany.
15. Workshop on Biosafety: Science and Policy Risk Assessment of Transgenic Organisms: A Case Study Approach, organized by ICGEB from 27-31 March, 2000 at Trieste, Italy.
16. International GiLB-02 (Global Initiative on Late Blight) conference, July 11-13, 2002, Hamburg, Germany.

17. 15th Triennial Conference of the European Association for Potato Research, July 14-19, 2002, Hamburg, Germany
18. Agricultural Biotechnology Certificate Course: Out of the Lab and into the Field, April 17 – 23, 2004, Goa, India Organized By : CORNELL-IN-INDIA & SATHGURU; Funded by : ABSP II of USAID.
19. Conference on “Foods Derived from GM Crops : Issues for Consumers, Regulators and Scientists”, Sept. 26 & 27, 2005, New Delhi, India.
20. US Grains Council organized “International Biotechnology Information Conference”, held in IOWA & Nebraska States, USA from October 10-15, 2005.
21. Conference on “Specialty Crops Regulatory Initiatives (SCRI)” held in Washington DC on November 21 & 22, 2005
22. The Development of Biotechnology in Islamic Countries: Sharing Experience on Issues and Challenges, Cairo, Egypt 6-8 March, 2006 (Organized by : ISAAA, ISESCO)
23. German Botanical Congress, Hamburg, Germany September, 2007.
24. 11th International Symposium on the Biosafety of Genetically Modified Organisms (ISBGMO) at the Centro Cultural Borges - Galerías Pacifico, Buenos Aires, Argentina, 15-20 November 2010.
25. South Asia Conference on Current Approaches to the Environmental Risk Assessment of Genetically Engineered Crops, New Delhi, India, 16-18 May 2011.
26. International Workshop on Addressing the Challenges in Communicating Agribiotechnology in Muslim Countries, Langkawi, Malaysia, September 20 - 21, 2011.
27. Asian Regional Workshop on Sustainable Agriculture, Biotechnology and Biosafety January 10-11, 2012, Bangkok, Thailand.
28. International Conference on the “Application of Modern Biotechnology in Muslim Countries- Specific Issues and Challenges”, February 27-29, Islamabad, Pakistan.
29. International Conference on Environmental Risk Assessment of Genetically Engineered Plants, April 15, 2012 – April 17, 2012, BRAC Centre Inn, Dhaka, Bangladesh
30. ISBGMO 2012: 12th International Symposium on Biosafety of Genetically Modified Organisms 2012, Sept. 16 - 20, 2012, St. Louis, MO, USA
31. 1st Annual South Asia Biosafety Conference, September 18, 2013 – September 20, 2013, Taj Ambassador Hotel, New Delhi, India
32. 2nd Annual South Asia Biosafety Conference, September 15, 2014 – September 16, 2014, Taj Samudra Hotel, Colombo, Sri Lanka
33. 13th International Symposium on the Biosafety of Genetically Modified Organisms (ISBGMO13), 9 - 13 November 2014, Westin Cape Town, South Africa
34. 3rd Annual South Asia Biosafety Conference, September 19, 2015 – September 20, 2015, BRAC Centre Inn, Dhaka, Bangladesh
35. 4th Annual South Asia Biosafety Conference, September 19, 2016 – September 21, 2016, Taj Krishna, Hyderabad, India
36. 5th Annual South Asia Biosafety Conference, September 11, 2017 – September 13, 2017, Taj West End, Bangalore, India
37. Asia Forum on Environmental Release & Safety Management of LMOs. November 22~24, 2017, The Suites Hotel Jeju, Jeju Island, South Korea, Organized by Korea Biosafety Clearing House, Korea Research Institute of Bioscience and Biotechnology (KRIBB).
38. German Plant Breeding Conference 2018, February 28 - March 2, 2018, HKK Hotel Wernigerode, Wernigerode, Germany.

39. III. International PP1530 Symposium: Genetic Variation of Flowering Time Genes and Applications for Crop Improvement: March 14-16, 2018, University of Kiel, Germany.
40. Attended Annual Meeting of the Alexander von Humboldt Foundation, Berlin Germany from 25 to 28 of June 2019.

Research Publications:

1. M.I. Hoque, M.M. Haque, Asma Begum and A.S. Islam. 1984. *In vitro* regeneration of plantlets from different explants of *Vigna mungo* L. Hepper. Bangladesh J. Bot. 13(1) : 45-51.
2. M.I. Hoque, M.M. Haque and M.S. Islam. 1986. *In vitro* pollen grain germination in *Vigna mungo* and *Vigna radiata*. Jour. Asiatic Soc. Bangladesh. Vol. XII(1&2): 123-127.
3. B. Das, M.M. Haque, A.S. Islam, M.H. Rahman and M.I. Hoque. 1986. *In vitro* plantlet development in jute. Proc. Nayudamma Mem. Symp. on Agricultural Appl. on Biotechnology, Madras, India, 15-17 December, pp. 106-114 (Eds. A.N. Rao and H.Y. Mohan Ram)
4. A.S. Islam, M.I. Hoque and M.M. Haque. 1987. Prospects of utilizing interspecific hybrids in jute for commercial purpose. Phytobreedon 3(1): 26-38.
5. M. U. Patwary and M.I. Hoque. 1987. A pigmentation mutant of *Salvia splendens*. Bangladesh J. Bot. 16(1): 97-100.
6. B. Das, M.I. Hoque, M.M. Haque and A.S. Islam. 1987. Somaclonal variation in *Corchorus capsularis* jute. Proc. Regional Workshop on Tissue Culture of Tropical Crop Plants, Dhaka, Bangladesh, 12-17 September (Eds. A.S. Islam and M.M. Haque).
7. A.S. Islam and M.I. Hoque. 1987. Study of the inheritance of differential regenerating ability of the two jute species. Proc. SCAMAP Regional Workshop on Plant Tissue Culture and Biotechnology of Medicinal and Aromatic Plants, 14-16 December, 1987, Lucknow India.
8. M.M. Haque, M.I. Hoque, Asma Begum and A.S. Islam. 1988. Regeneration of multiple shoots from shoot tip culture of *Vigna mungo* (L.) Hepper. In : Genetic Manipulation in Crops. The Proc. of 3rd Intl. Symp. on Haploidy and the 1st Intl. Symp. on Somatic Cell Genetics in Crops, Beijing, China, October, 1984, pp. 164-165.
9. M.I. Hoque, M.M. Haque and A.S. Islam. 1988. Confirmation of *Corchorus olitorius* x *C. capsularis* hybrid through tissue culture and biochemical test. Bangladesh J. Bot. 17(1): 71-79.
10. M.I. Hoque, A. Rashid and A.S. Islam. 1989. Thin layer chromatographic study of methanol soluble compounds of *Corchorus olitorius*, *C. capsularis* and their F1 and F2 hybrids. Bangladesh J. Sci. Res. 7(1): 33-36.
11. M.I. Hoque, Shirin Mahbub, R.H. Sarker, M.M. Haque and A.S. Islam. 1991. Callus induction and plant regeneration from different explants of *Arachis hypogaea* L. Plant Tissue Cult. 1(1): 35-41.
12. M.I. Hoque, R.H. Sarker, M.M. Haque and A.S. Islam. 1991. *In vitro* multiple shoot regeneration in *Anthocephalus indica* L. Bangladesh J. Bot. 20(2) : 193-197.
13. Rashida Akhter, M.I. Hoque, R.H. Sarker, Sk. S. Alam and M.M. Haque. 1991. Karyotype analysis in diploid and colchicine induced tetraploids of *Corchorus olitorius* and *C. capsularis*. Bangladesh J. Sci. Res. 9(2): 183-188.
14. R.H. Sarker, M.I. Hoque, M. Manirul Islam and M.M. Haque. 1991. Pollen pistil interaction following crosses between *Vigna radiata* and *V. mungo* Phytobreedon. 7(1&2): 24-28.
15. Afroz Ara, M.I. Hoque, R.H. Sarker and M.M. Haque. 1991. *In vitro* propagation of *Sesbania grandiflora* L. Plant Tissue Cult. 1(2): 79-84.

15. Afroz Ara, M.I. Hoque, R.H. Sarker and M.M. Haque.1991. Micropropagation of *Leucaena leucocephala* L. Plant Tissue Cult. 1(2): 115-119.
16. R.H. Sarker,M.I. Hoque and M. Manirul Islam.1992. Studies on the receptive surface of stigma in some *Vigna* species. Bangladesh J. Bot. 21(1): 123-124.
17. M.S.A. Bhuiyan, M.M. Haque, M.I. Hoque, R.H. Sarker and A.S.Islam.1992. Morphogenic response of peanut leaflet explants cultured in vitro. Plant Tissue Cult. 2(1) : 49-52.
18. R.H. Sarker, M.A. Samad, Z.I. Seraj, M.I. Hoque and A.S. Islam.1992. Pollen tube growth in crosses between *Porteresia coarctata* and *Oryza sativa*. Euphytica 69: 129-134.
19. Mondira Bose, R.H. Sarker, R.H. Sarker, M.I. Hoque and M.M. Haque.1992. Investigation into the possible causes for failure of in vitro regeneration in mungbean. Plant Tissue Cult. 2(2) : 81-88.
20. R.H. Sarker and M.I. Hoque.1992. Fluorescent microscopic study of pollen tube development following interspecific crosses in *Corchorus*. SABRAO Journal 24(2): 81-86.
21. A.S. Islam, M.M. Haque, M.I. Hoque and Z.I. Seraj.1992. Tissue Culture and Micropropagation of Jute (*Corchorus* sp.), pp. 505-526. In: Biotechnology in Agriculture and Forestry, Vol. 19 : High Tech and Micropropagation III, Springer-Verlag, Berlin, Heidelberg, New York(Ed. Y.P.S. Bajaj).
22. M.I. Hoque, Afroz Ara and R.H. Sarker.1992. Micropropagation of some fast growing trees. Proc. 1992 Miami Bio/Technology Winter Symposia, p. 37 (Eds. William J. Whelan et al.)
23. M.I. Hoque, Shahina Khanam and R.H. Sarker.1992. *In vitro* callus induction and plant regeneration from different explants of lentil (*Lens culinaris* Medik). Proc. Seminar on Res. Findings on Some Biotechnological Aspects, Aug, 1992, Biotechnology Res. Centre, Dhaka University (Eds. A. Islam and M.M. Haque)
24. R.H. Sarker and M.I. Hoque.1994. Investigation into the barriers of hybrid formation between *Corchorus capsularis* L. and *C. olitorius* L. Bngladesh J. Bot. 23(1): 53-59.
25. M.I. Hoque, Aloka Rani Roy, R.H. Sarker and M.M. Haque.1994. Micropropagation of *Cymbidium bicolor* through *in vitro* culture. Plant Tissu Cult. 4(1) : 45-51.
26. Rehana Khanam, R.H. Sarker, M.I. Hoque and M.M. Haque. 1995. *In Vitro* Root Morphogenesis in Lentil (*Lens culinaris* Medik). Plant Tissue Cult. 5(1) : 35-41.
27. M.I. Hoque and Musarrat Fatema. 1995. Micropropagation of *Chrysanthemum morifolium* Ramat through in vitro culture. Plant Tissue Cult. 5(2):153-162.
28. M.I. Hoque, Nasima Begum Mila, Md. Salim Khan and R.H. Sarker.1996. Shoot Regeneration and *In Vitro* Microtuber Formation in Potato (*Solanum tuberosum* L.). Bangladesh J. Bot. 25(1) : 87-93.
29. M.I. Hoque, Rehana Hashem, Mahfuza Khatun and R.H. Sarker. 1996. *In Vitro* Multiple Shoot Regeneration in Carnation (*Dianthus caryophyllus* L.). Plant Tissue Cult. 6(2) : 99-106.
30. M.I. Hoque, M. Aminul Islam. R.H. Sarker and A.S. Islam.1996. *In Vitro* Microtuber Formation in Potato (*Solanum tuberosum* L). In : Plant Tissue Culture (Ed. A.S. Islam), Oxford & IBH Publ. Co., Calcutta/New Delhi, pp. 221-228.
31. R.H. Sarker, A.K.M. Kamrul Haque and M.I. Hoque. 1996. Study of Isozyme Markers in Characterizing Jute Germplasm. Bangladesh J. Bot. 25(2):139 145.
32. R.H. Sarker, A.P. Chowdhury and M.I. Hoque.1997. Preliminary Studies on Agrobacterium-mediated Genetic Transformation of Peanut (*Arachis hypogaea* L.). Bangladesh J. Bot. 26(2) : 155-162.

33. R. H. Sarker, Saroj K. Paul, A. K. M. Kamrul Haque and M. I. Hoque.1997. Pollen tube growth and variation in pollen tube callose plugs in some *Corchorus* species. *Phytomorphology*. 47 (3) : 311-317.
34. R.H. Sarker, M. Rafiqul Islam and M.I. Hoque.1997. *In Vitro* Propagation of Neem (*Azadirachta indica* A. Juss) Plants from Seedling Explants. *Plant Tissue Cult.* 7(2) : 125-133.
35. F. Hartung, R. Werner, M.I. Hoque, Sk.S. Alam, S. Khan, A.R. Paul and H.P. Muehlbach.1998. Association of Phytopathogenic Bacteria with Top-Dying Disease of Sundri Tree (*Heritiera fomes*) in Bangladesh. *Angewandte Botanik (Germany)* , 72 : 48-55
36. M.I. Hoque, Mustari Taslim Jahan and R.H. Sarker.1998. In Vitro Shoot Regeneration and Ex Vitro Rooting in *Chrysanthemum morifolium* Ramat. *Plant Tissue Cult.* 8(2) : 157-164.
37. M.I. Hoque, Sayema Perveen and R.H. Sarker. 1999. *In Vitro* Propagation of Ginger (*Zingiber officinale* Rosc.). *Plant Tissue Cult.* 9(1) : 45-51.
38. M.I. Hoque, Nursia Komol, Amjad Hossain, Sufia Pervin and R.H. Sarker.1999. *In Vitro* large scale propagation of two hybrid orchid species. *Dhaka Univ. J. Biol. Sci.* 8(2) : 11-16.
39. M.I. Hoque, Fathi Hassan, Heiko Kiesecker and H.J. Jacobsen. 2000. In Vitro Shoot Induction and Genetic Transformation in Lentil (*Lens culinaris* Medik). Poster presentation in : Tagung der deutschen Sektion der "International Association for Plant Tissue Culture" (IAPTC), Bonn, Germany, 5-7 October, 2000.
40. M.I. Hoque, Bustanur Rosidi and H.J. Jacobsen.2002. Storage Protein Patterns in Somatic and Zygotic Embryos of Lentil (*Lens culinaris* Medik). *Plant Tissue Cult.* 12 (2) : 109-116.
41. M. Salim Khan, M.I. Hoque, R.H. Sarker and H.-P. Mühlbach. 2003. Detection of Important Plant Viruses in In Vitro Regenerated Potato Plants by Double Antibody Sandwich Method of ELISA. *Plant Tissue Cult.* 13 (1): 21-29.
42. R.H. Sarker, Ashapurno Biswas, Barkat Murtaja Mustafa, Shirin Mahbub and M.I. Hoque. 2003. Agrobacterium-mediated Transformation of Lentil (*Lens culinaris* Medik). *Plant Tissue Cult.* 13 (1): 1-12.
43. R.H. Sarker, Barkat Murtaja Mustafa, Ashapurno Biswas, Shirin Mahbub, Mouful Nahar, Rehana Hashem and M.I. Hoque. 2003. In Vitro Regeneration in Lentil (*Lens culinaris* Medik). *Plant Tissue Cult.* 13 (2) : 155-163.
45. M.I. Hoque, Fathi Hassan, Heiko Kiesecker and H.J. Jacobsen. 2004. Tissue Culture Studies in Lentil (*Lens culinaris* Medik). *In: In Vitro Application in Crop Improvement*, (Eds. A. Mujib et al.), pp. 273-283. Science Publishers, Inc. Enfield (NH), USA.
46. S. Prakash, M.I. Hoque and T. Brinks. 2004. Culture Media and Containers. *In : Low Cost Options for Tissue Culture Technology in Developing Countries*, IAEA-TECDOC- 1384, pp. 29-40.
47. M.I. Hoque, Fathi Hassan, R.H. Sarker, Heiko Kiesecker and H.-J. Jacobsen. 2004. Lentil Improvement Through Biotechnology. *In : In Vitro Culture, Transformation and Molecular Markers for Crop Improvement* (Ed.A.S. Islam), pp.173-190. Science Publishers, Inc. Enfield (NH), USA.
48. R.H. Sarker, Tarannum Ferdous and M.I. Hoque. 2005. In Vitro Direct Regeneration of Three Indigenous Chickpea (*Cicer arietinum* L.) Varieties of Bangladesh. *Plant Tissue Cult. & Biotech.* 15(2) : 135-144.
49. H. Tantau, M.I. Hoque, R.H. Sarker and H.-P. Muehlbach. 2005. 16S rDNA Sequence Analysis of Bacterial Isolates from Die-back Affected Sissoo Trees (*Dalbergia sissoo* Roxb.) in Bangladesh. *J. Phytopathology* 153 : 517-521.

50. R. H. Sarker, Sabina Yesmin and M. I. Hoque. 2006. Multiple Shoot Formation in Eggplant (*Solanum melongena* L.). *Plant Tissue Cult. & Biotech.* 16(1): 53-61.
51. R. H. Sarker, G.M. Al-Amin and M. I. Hoque. 2007. *In vitro* Regeneration in Three Varieties of White jute (*Corchorus capsularis* L.). *Plant Tissue Cult. & Biotech.* 17(1): 11-18.
52. Fathi Hassan, M. Imdadul Hoque¹, Heiko Kiesecker.2007. Transient GUS Expression in Decapitated Lentil Embryos. *Plant Tissue Cult. & Biotech.* 17(1): 97-102,.
53. M.I. Hoque, Most. Mosfeqa Zahan and R.H. Sarker.2007. *In vitro* Plant Regeneration in Mungbean (*Vigna radiata* (L.) Wilczek). *Plant Tissue Cult. & Biotech.* 17(2): 209-216.
54. R. H. Sarker, G.M. Al-Amin, Fathi Hassan and M.I. Hoque. 2008. *Agrobacterium*-mediated Genetic Transformation of Two Varieties of Jute (*Corchorus capsularis* L.). *Plant Tissue Cult. & Biotech.* 18(1): 7-16.
55. R.H. Sarker, Khaleda Islam and M.I. Hoque.2009. *In vitro* Regeneration and *Agrobacterium*-mediated Genetic Transformation of Tomato (*Lycopersicon esculentum* Mill.). *Plant Tissue Cult. & Biotech.* 19(1): 101-111.
56. R. H. Sarker, Bivas Kumar Sarker and M. I. Hoque. 2009. *In vitro* Plant Regeneration from Seedling-derived Explants of two Cultivars of White Jute (*Corchorus capsularis* L.). *Plant Tissue Cult. & Biotech.* 19(2): 199-206.
57. Rita Sarah Borna, M.I. Hoque and R.H. Sarker.2010. *Agrobacterium*-mediated Genetic Transformation for Local Potato (*Solanum tuberosum* L.) Using Marker Genes. *Plant Tissue Cult. & Biotech.* 20(2): 145-155.
58. Nazma Akter, R.H. Sarker and M.I. Hoque. 2010. Effects of gamma ray on some molecular characteristics of *in vitro* regenerated *Gerbera jamesonii* Bolus. *Bangladesh J. Bot.* 39 (2): 207-213.
59. H.P. Muehlbach, H. Tantau, S. Renk, D. Schultz, S. Woelki, H. Meyer, J. Schulze, D. Palm, A. Stubbe, M. Fennemann, N. Valdez, R.H. Sarker, Sk. S. Alam, M.L. Saha, M.S. Khan and M.I. Hoque.2011. Molecular Characterization of Biotic Agents Associated with Dieback Disease of *Dalbergia sissoo* Roxb. in Bangladesh. *In: Role of Biotechnology in Food Security and Climate Change.* Islam, A.S., M.M. Haque, R.H. Sarker and M.I. Hoque (Eds.). *Proc. Sixth Intl. Plant Tissue Cult. & Biotech. Conf., Decemebr 3-5, 2010, Bangladesh Assoc. Plant Tissue Cult. & Biotech., Dhaka, Bangladesh, pp.* 131-143.
60. Hanny Tantau, Steffi Renk, Dorothee Schultz, Heidrun Meyer, Jana Schulze, Denise Palm, Annika Stubbe, Nayuf Valdez Aguirre, Rakha Hari Sarker, Sk. Shamimul Alam, Mihir Lal Saha, M. Salim Khan, M. Imdadul Hoque and Hans-Peter Muehlbach.2011. Infectivity Assays and Sequence Analyses for Unassigned *Pseudomonas* Species as Putative Cause of Dieback Disease of *Dalbergia sissoo* Roxb. in Bangladesh. *Plant Tissue Cult. & Biotech.* 21(2): 101-113.
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