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EDUCATION

- **PhD.** Genetics, University of Birmingham, Birmingham, England. 1984
Graduate courses: Tissue Culture, Quantitative and Molecular Genetics, Statistics, Computer Science, Breeding, Microbiology and Pathology
Thesis: Doubled haploid production in Nicotiana
- **MS.** Botany, University of Dhaka, Bangladesh. 1979 (First Class First)
Graduate courses: Tissue Culture, Genetics and Breeding
- **BS.** Botany, University of Dhaka, Bangladesh 1977. Minor in Biochemistry and Zoology (First Class with Honors, stood first in order of merit in Bangladesh)

PROFESSIONAL HISTORY:

Claflin University **Orangeburg, SC** 2006-present
Associate Professor of Biology

Lead and teach plant biotechnology program and conduct research projects in areas of plant-made-pharmaceuticals and genetically engineered product development.

ArborGen, LLC **Summerville, SC** 2003 – 2005
World leader in forest biotechnology
Senior Scientist

Lead and manage proprietary research projects in areas of operational clone deployment and genetically engineered product development.

International Paper Co. **Bainbridge, GA** 1998 – 2002
World's largest paper, pulp and forest products company
Tissue Culture Group Leader

Led R & D programs in the field of clonal propagation systems on softwood and hardwood species

University of Georgia **Athens, GA** 1995 – 1998
Horticulture Department
Assistant Research Scientist

Conducted and supervised research work on viral resistant transgenic peanuts

Palm Oil Research Institute of Malaysia 1992 – 1995
Plant Science and Biotechnology Unit
Consultant and Senior Research Fellow

Managed projects involving genetic engineering of oil palm, cucumber and muskmelon, and molecular level investigation of tissue culture-induced clonal abnormalities of oil palms

University of Florida	Gainesville, FL	1986 – 1992
Horticultural Sciences Department		1989 –1992
<i>Assistant research Scientist</i>		
Conducted genetic engineering research on sugarcane and molecular level evaluation of regenerated plants of sugarcane and wheat.		
Agronomy Department		1986 – 1989
<i>Research Associate</i>		
Studied molecular mechanisms of cytoplasmic male sterility in millet and molecular marker development in Napier grass		
US Department of Agriculture	Beltsville, MD	1985 – 1986
Plant Molecular Biology Laboratory		
<i>Research Associate</i>		
Studied genomic stability of mitochondrial DNA in long-term tissue cultured cells of rice		
Bangladesh Rice Research Institute	Dhaka, Banladesh	1979 – 1980
Plant Breeding Section		
<i>Scientific Officer</i>		
Bred cold-tolerant rice		

TEACHING EXPERIENCE

- Plant Biotechnology, Plant Biology and Plant Tissue Culture as an Associate Professor of Biology at Claflin University, Orangeburg, SC. **Spring 2007, Spring and Fall 2006**
- Human Anatomy and Physiology (a lab course) as a part-time instructor at the Athens Area Technical Institute, Athens, GA. **Spring 1997**
- General Biology course as a part-time instructor at the Athens Area Technical Institute, Athens, GA. **Fall 1996**
- Team teaching of a graduate course in plant tissue culture and molecular genetics, Department of Agronomy, University of Florida, Gainesville, Florida **Spring 1989:**
- General Biology, New Model Degree College, Dhaka, Bangladesh. **1979 – 1981.** Courses taught: general biology, genetics, tissue culture and breeding courses

PUBLICATIONS / PATENTS / PRESENTATIONS (attached file)

- Authored 40 refereed publications
- Filed 3 patent applications
- Submitted 4 invention disclosures
- Presented 11 talks and 21 posters
- Chaired / moderated sessions in 3 International conferences
- Attended 16 conferences since 1998

HONORS AND AWARDS

- Commonwealth award to study for Ph.D. degree 1981-1984
- Dhaka University Grants Commission Fellowship, Bangladesh 1980

- Best student award for the results of M.S. final examination 1979
- Dhaka University award for outstanding result in B.S. (Honors) final examination 1977
- Dhaka University award for excellence in Botany 1973-1977

PROFESSIONAL EXPERIENCE

Summary: Teacher, Senior scientist, researcher and project manager with 25+ years of both industry and academic experience in the field of plant biotechnology, genetics and product development. Leadership achievements include technology development and commercial application, strategic business planning, building strong work teams and fostering productive customer relationships.

SELECTED ACCOMPLISHMENTS:

Product Development

- Engineered large-scale clone deployment methodology for rapid, cost-effective tissue bulk up that enabled a 10-fold production capacity upgrade.
- Developed unique, proprietary embryo development processes and cryogenic recovery media for rapid tissue proliferation from cryogenic lines of diverse resources resulting in significant productivity improvement.
- Improved embryo conversion processes that reduced production costs by more than 30% and resulted in commercialization.
- Achieved qualitative and quantitative improvements in softwood somatic embryogenesis resulting in greater than 100% improvement in cell line establishment rates.
- Formulated improved media and processes for long-term maintenance of embryo viability in aged and recalcitrant cell lines resulting in a 20% increase in deployable cell lines.

Research

- Developing molecular farming techniques for edible vaccine production in plant.
- Developed operational protocols for large-scale hardwood clone propagation system using somatic embryogenesis techniques with an associated 200% improvement in production.
- Reported first transgenic oil palm product using microprojectile bombardment techniques and produced stable transformants of sugarcane using bombardment and electroporation.
- Improved regeneration and transformation protocols in peanut, cucumber and muskmelon resulting in the development of viral resistant transgenic products.
- Developed efficient doubled haploid method to speed up *Nicotiana rustica* inbred line production.
- Established embryogenic cell suspension cultures and studied culture-induced variation at the DNA level in rice, sugarcane and wheat.
- Researched and disproved DNA markers as viable diagnostic tools for early detection of floral abnormalities in tissue culture-derived oil palm.

Management and Mentorship

- Applied standard project management processes to transgenic product development programs resulting in 100% customer satisfaction.

- Led R & D teams comprised of Ph. D., MS and BS level scientists in fully funded product optimization projects.
- Developed precise forecasting methods for managing \$1 million research budget.
- Supervised research work of graduate students and visiting scientists.
- Mentored two Ph.D. candidates.

REFEREED PUBLICATIONS

- **Chowdhury K** and O Bagasra (2007) An edible vaccine for malaria using transgenic tomatoes of varying sizes, shapes and colors to carry different antigens. *Medical Hypotheses* 68:22-30.
- Nehra NS, MR Becwar, WH Rottmann, L Pearson, **K Chowdhury**, S, Chang, HD Wilde, RJ Kodrzycki, C Zhang, KC Gause, D Parks, MA Hinchee, (2005) Forest Biotechnology: innovative methods, emerging opportunities. *In Vitro Cell. Dev. Biol.- Plant*, 41(6): 1- 18. (invited review article)
- Mohiuddin AKM, Zaliha C. Abdullah, **MKU Chowdhury** and Suhaimi Napis (2005) Enhancement of Adventitious Shoot Regeneration in *Cucumis sativus* L. using AgNO₃. *Plant Tissue Culture* 15: 15 - 23.
- Mohiuddin AKM, K Harikrishna, **MKU Chowdhury**, ZC Abdullah and S Napis (2005) Genetic Transformation of Muskmelon (*Cucumis melo* L.) by *Agrobacterium tumefaciens*. *Journal Bioscience* 16(1): 13 – 26.
- Mohiuddin AKM, Suhaimi Napis, Zaliha C. Abdullah, **MKU Chowdhury**, and K. Harikrishna (2003) Enhancement of cucumber somaclone production by plant growth regulator BAP. *Bangladesh J. of Plant Breeding and Genetics* 16 (2): 9 -16.
- Mohiuddin AKM, K. Harikrishna, **MKU Chowdhury**, Zaliha C. Abdullah and Suhaimi Napis (2000) Influence of acetosyringone on *Agrobacterium*-mediated transformation of cucumber (*Cucumis sativus* L.) *Plant Tissue Culture* 10: 167 -173.
- Magbauna, ZH, D. Wilde, JK. Roberts, **K. Chowdhury**, J. Abad, JM Moyer, HY Wetzstein and WA Parrott. 2000. Field resistance to tomato spotted wilt virus in transgenic peanut (*Arachis hypogaea* L.) expressing an antisense nucleocapsid gene sequence. *Molecular Breeding* 6:227-236.
- Kim, T.R, **MKU Chowdhury** and HY Wetzstein. 1999. A quantitative and histological comparison of GUS expression with different promoters constructs used in microprojectile bombardment of peanut leaf tissue. *In Vitro Cell Dev. Plant*: 35:51-56.
- Mohiuddin AKM, **MKU Chowdhury**, Zaliha C. Abdullah, K. Harikrishna and Suhaimi Napis (1998) Factors affecting *in vitro* adventitious shoot regeneration of muskmelon (*Cucumis melo* L.). cv. Birdie. *Science International* 10 (2): 143-146.
- Mohiuddin AKM, **MKU Chowdhury**, Zaliha C. Abdullah, K. Harikrishna and Suhaimi Napis (1998) Studies on the improvement of *in vitro* shoot regeneration of muskmelon (*Cucumis melo* L.). cv. Birdie. *Asian Pacific J. of Molecular Biology & Biotechnology* 6(1): 69-74.
- Parveez GK, **MKU Chowdhury** and N Saleh (1998) Biological parameters affecting transient GUS gene expression in oil palm (*Elaeis guineensis* Jacq.). *Industrial Crops and Products* 6:17-27.
- Mohiuddin AKM, **MKU Chowdhury**, Zaliha C. Abdullah, K. Harikrishna and Suhaimi Napis (1997) Rapid shoot regeneration in cotyledon and hypocotyls explants of cucumber (*Cucumis sativas* L.) using BAP. *Science International* 9 (2): 207-209.

- Mohiuddin AKM, **MKU Chowdhury**, Zaliha C. Abdullah and Suhaimi Napis (1997) Influence of AgNO₃ (ethylene inhibitor) on cucumber (*Cucumis sativas* L.). *in vitro* shoot regeneration. Plant Cell Tissue & Organ Culture 51(1): 75-78.
- **Chowdhury MKU**, Parveez GK and N Saleh (1997) Evaluation of five promoters for use in transformation of oil palm (*Elaeis guineensis* Jacq.). Plant Cell Rep. 16:277-281
- Parveez GK, **Chowdhury MKU** and N Saleh (1997) Optimization of Physical parameters affecting transient GUS gene expression in oil palm (*Elaeis guineensis* Jacq.) using the biolistic device. Industrial Crops and Products 6: 41-50
- Parveez GK, **Chowdhury MKU** and N Saleh (1996) Determination of minimal inhibitory concentration of selection agents for oil palm (*Elaeis guineensis* Jacq.) transformation. Asia-Pacific Molecular Biology and Biotechnology 4(4): 219-228
- Mohiuddin AKM, **MKU Chowdhury**, Zaliha C. Abdullah and Suhaimi Napis (1995) The influence of cobalt chloride increases *in vitro* shoot proliferation in cucumber (*Cucumis sativas* L.). Asia-Pacific Molecular Biology and Biotechnology 3(4):332-338
- Parveez GK, **MKU Chowdhury** and N Saleh (1994) Current status of genetic engineering in oil bearing crops. Asia-Pacific Molecular Biology and Biotechnology 2(3):174-192
- **Chowdhury MKU**, V Vasil and IK Vasil (1994) Molecular analysis of plants regenerated from embryogenic cultures of wheat (*Triticum aestivum* L.). Theor Appl Genet 87:821-828
- Pooni HS, PS Virk, DT Coombs and **MKU Chowdhury** (1994) The genetical basis of hybrid vigour in a highly heterotic cross of *Nicotiana tabacum*. Theor Appl Genet 89:1027-1031.
- **Chowdhury MKU** and IK Vasil (1993) Molecular analysis of plants regenerated from embryogenic cultures of hybrid sugarcane cultivars (*Saccharum* spp.). Theor Appl Genet 86:181-188
- Smith Rex L, ME Schweder, **MKU Chowdhury**, JC Seib and SC Schank (1993) Development and application of RFLP and RAPD DNA markers in genetic improvement of *Pennisetum* for biomass and forage production. Biomass and Bioenergy 5(1): 51-62
- **Chowdhury MKU** and IK Vasil (1992) Stably transformed herbicide resistant sugarcane calli via microprojectile bombardment of embryogenic suspension cultures and electroporation of protoplasts. Plant Cell Report 11:494-498
- Smith RL and **MKU Chowdhury** (1991) Characterization of the rearranged fragments associated with reversion in *Pennisetum*. Theor. Appl. Genet. 81:793-799
- **Chowdhury MKU**, GW Schaeffer, LR DeBonte, BF Matthews and RL Smith (1990) Variation in rice mitochondrial DNA in long term cultures. Theor Appl Genet 80:81-87
- Smith RL, **MKU Chowdhury** and SC Schank (1989) A unique RFLP mapping system in *Pennisetum*. J. Cell Biochem.13D: 344.
- Smith RL, **MKU Chowdhury** and SC Schank (1989) Use of restriction fragment length polymorphism (RFLPs) in genetics and breeding napiergrass. Soil and Crop sci. Soc. Fla., Proc. 48:13-19
- Smith RL and **MKU Chowdhury** (1989) Mitochondrial DNA polymorphism in male sterile and fertile cytoplasms in pearl millet Crop Science 29:809-814
- **Chowdhury MKU**, GW Schaeffer, RL Smith and BF Matthews (1988) Molecular analysis of organelle DNA of different subspecies of rice and the genomic stability of mtDNA in tissue cultured cells of rice. Theor. Appl. Genet. 76:533-539
- **Chowdhury MKU** and Rex L Smith (1988) Mitochondrial DNA variation in pearl millet and related species. Theor. Appl. Genet. 76:25-32

- Smith RL, **MKU Chowdhury** and DR Pring (1987) Mitochondrial DNA rearrangements in *Pennisetum* associated with reversion from cytoplasmic male sterility to fertility. *Plant Molecular Biology*. 9: 277-286
- Jinks JL, **MKU Chowdhury** and HS Pooni (1985) Comparison of the inbred lines derived from a hybrid of tobacco (burley x flue cured) by dihaploidy and single seed descent. *Heredity*. 55:127-134
- Jinks JL, HS Pooni and **MKU Chowdhury** (1985) Detection of linkage and pleiotropy between characters of *Nicotiana tabacum* using inbred lines produced by dihaploidy and single seed descent. *Heredity*. 55:327-333
- **Chowdhury MKU** (1985) A comparative study of genotypic and environmental response to androgenesis in *Nicotiana rustica*. *Theor. Appl. Genet.* 70:128-132
- **Chowdhury MKU** (1984) An improved method for dihaploid production in *Nicotiana rustica* through anther culture. *Theor. Appl. Genet.* 69:199-204
- **Chowdhury MKU** (1984) The production of dihaploids from *Nicotiana tabacum*. *Bangladesh J. Bot.* 13(1): 60-67
- Islam AS, M Haque, Rifat Jahan, **MKU Chowdhury**, Golam Ahmed and H Rahman (1981) Attempt to produce polyhaploids from a spontaneous amphiploid of the jute hybrid, *Corchorus olitorius* x *C. depressus*. *Bangladesh J. Bot.* 10(1): 63-68
- Islam AS, **MKU Chowdhury**, ABM S Islam, H Rahman and M Haque (1980) Development and differentiation of rice plants through anther culture. *Bangladesh J. Bot.* 9(2): 167-172
- Kabir MA, T. Das, QA Hoq, **MK Chowdhury** and MA Hamid (1980) Cold-tolerant rice in Bangladesh. *International Rice Res. Newsletter* 5(3): 9
- Islam AS, **MKU Chowdhury**, MG Mustafa and M Haque (1978) Isolation of protoplasts in two species of jute. *Bangladesh J. Bot.* 7(2): 71-77

PRESENTATIONS

A) ORAL

- 2004, "Operational Clonal Forestry: Opportunities and Challenges", 5th International Plant Tissue Culture and Biotechnology Conference, December 4-6, Dhaka, Bangladesh (**Keynote speaker**).
- 1997, "Factors affecting maturation of peanut somatic embryos from cell suspension cultures", World Congress on In Vitro Biology, June 14-18, Washington D.C. USA.
- 1995, "Optimization of physical parameters affecting biolistic transformation in oil palm", 6th Scientific Meeting of the Malaysian Society for Molecular Biology and Biotechnology (May 16-17) Kuala Lumpur, Malaysia.
- 1994, "Molecular characterization of tissue culture-induced variation in oil palm", Proc. of the 2nd Symposium on 'TRENDS IN BIOTECHNOLOGY: Meeting the Challenges of the 21st Century' April 27-29, UPM, Malaysia.
- 1993, "Detection of variation in tissue culture-derived normal and abnormal clones of oil palm using RAPD method", First International Symposium on Recent Developments in Oil Palm Tissue Culture and Biotechnology. September 24-25, Kuala Lumpur, Malaysia.

- 1993, “Molecular markers for early diagnosis of clonal abnormalities in oil palm”, International Plant Tissue Culture Conference, organized by Bangladesh Association for Plant Tissue Culture, December 19-21 Dhaka, Bangladesh.
- 1993, “Prospect of commercialization of oil palm micropropagation”, International Plant Tissue Culture Conference, December 19-21, Dhaka, Bangladesh, sponsored by Food and Agricultural Organization (FAO), Rome, Italy.
- 1993, “Selection of construct(s) with suitable promoter(s) for oil palm transformation through microprojectile bombardment. International Plant Tissue Culture Conference, December 19-21 Dhaka, Bangladesh.
- 1991, “Application of biotechnology in crop improvement”, Second meeting of Bangladesh Association for Plant Tissue Culture, December 7-8, Mymensingh, Bangladesh, (**Keynote speaker**).
- 1978, “Isolation of protoplasts in two species of jute”, Second Bangladesh National Science Conference, January 2-3, Chittagong, Bangladesh.

B) POSTERS AND ORAL PRESENTATIONS

- Improvements in pine somatic embryogenesis for large-scale production and deployment. **Chowdhury MK**, MR Becwar, JJ Clark, NS Nehra, MJ Cook, J.M. Victor, T.S. Stout, L Eadie, and J Sage. IUFRO Joint Conference of Division 2, Forest Genetics and Tree Breeding in the age of Genomics: Progress and Future, Nov 1-5, 2004, Charleston, SC, USA (talk presented by MR Becwar)
- Approaches to increase embryogenic culture initiation and cell line capture in loblolly pine MR Becwar, **MK Chowdhury**, NS Nehra, MR Rutter, JJ Clark, MJ Cook, JM Victor, TJ Stout, AM Perry, PJ Wade, and MA Hinchee IUFRO-UMEA Sweden conference presentation at IUFRO Tree Biotechnology 7-12 June 2003 (talk presented by MR Becwar)
- Approaches to increase embryogenic culture initiation and cell line capture in recalcitrant families of loblolly pine. **Chowdhury MK**, JJ. Clarke, MR Becwar, NS Nehra, MR Rutter, MJ Cook, JM Victor, TS Stout, AM Perry, PJ Wade, and MA Hinchee. 27th Southern Forest Tree Improvement Conference, June 24-27, 2003, OSU, Stillwater, OK, USA
- Arborgen’s Loblolly Somatic Embryogenesis System Enables Clonal Deployment. J Mann, M Rutter, M Becwar, **MK Chowdhury**, N Nehra, G Surritte and M Hinchee. 27th Southern Forest Tree Improvement Conference, June 24-27, 2003, OSU, Stillwater, OK, USA
- T. Stout, NS Nehra, J Sage, M Rutter, G Surritte, A Perry, P Wade, M Becwar, J Clark, M Cook, **K Chowdhury**, J Victor and M Hinchee. 2003. Improved germination and conversion of somatic embryos for clonal deployment of loblolly pine. IUFRO, Seed Physiology and Technology Research. Athens, GA, USA, August 10-14, 2003
- A.K.M. Mohiuddin, Suhaimi Napis, K. Harikrishna, Zaliha C. Abdullah and **M.K.U. Chowdhury**. Factors that influence crown gall and hairy root induction in cucumber (*Cucumis sativus* L.). In: Proceedings of 4th International Plant Tissue Culture Conference, Dhaka, Bangladesh, Nov. 1-3, 2001 (talk presented by AKM Mohiuddin).
- AKM Mohiuddin, K. Harikrishna, **MKU Chowdhury**, Zaliha C. Abdullah and Suhaimi Napis (1999) Influence of acetosyringone on transformation of cucumber

- mediated by *Agrobacterium tumefaciens*. In: Proceedings of the 3rd International Plant Tissue Culture Conference, University of Dhaka, Bangladesh. March 8-10, 1998, (talk presented by AKM Mohiuddin).
- Magbauna, Z, H. D. Wilde, J. K. Roberts, **K. Chowdhury**, J. Abad, J. M. Moyer, H. Y. Wetzstein and W.A. Parrott. 1998. Engineered resistance to tomato spotted wilt virus in transgenic peanut. Congress on In Vitro Biology, Las Vegas, Nevada, USA, May 30 – June 04, 1998
 - AKM Mohiuddin, K. Harikrishna, **MKU Chowdhury**, Zaliha C. Abdullah and Suhaimi Napis (1997) Transformation of cucumber and muskmelon with intron containing GUS gene using *Agrobacterium tumefaciens*. In: Proceedings of the 8th Scientific Meeting on Molecular Biology and Biotechnology. Kuala Lumpur, Malaysia, May 5, 1998, (talk presented by AKM Mohiuddin).
 - AKM Mohiuddin, **MKU Chowdhury**, Zaliha C. Abdullah, K. Harikrishna and Suhaimi Napis (1997) Potential application of BAP in enhancing production of *in vitro* phenotypical normal cucurbit plants. In: Proceedings of 3rd Symposium on “Trends in Biotechnology”, University Putra Malaysia, May 15-17, 1997, (talk presented by AKM Mohiuddin).
 - Kim TR, **MKU Chowdhury** and HY Wetzstein (1997) A structural evaluation of the effects of an antibiotic selectable marker following microprojectile bombardment of peanut suspension cultures. World Congress on In Vitro Biology, Washington D.C. USA, June 14-18, 1997 P1020 (49A), (talk presented by Kim).
 - Parveez GK, Tahir F, **MKU Chowdhury**, N. Saleh and Paul Christau (1997) Current progress on transformation of oil palm (*Elaeis guineensis* Jacq.). World Congress on In Vitro Biology, Washington D.C. USA, June 14-18, 1997 P21 (18A), (talk presented by Parveez).
 - Daimon H, **MKU Chowdhury** and HY Wetzstein (1996) A histological and scanning electron microscopic evaluation of somatic embryo development in peanut epicotyls from mature seed. World Congress on In Vitro Biology, San Francisco, CA, USA, June 22-27, 1996
 - Daimon H, **MKU Chowdhury** and HY Wetzstein (1996) Somatic embryogenesis in epicotyls from mature seed and its structural evaluation in Japanese cultivars of peanut (*Arachis hypogea* L.). Annual meeting of Japanese Crop Science Society, April, 1996, (talk presented by Daimon).
 - Mohiuddin AKM, Napis S, **MKU Chowdhury** and CA Zaliha (1995) Effect of silver nitrate and 6-benzylaminopurine on *in vitro* shoot regeneration of cucumber (*Cucumis sativas* L.). 6th Scientific Meeting of the Malaysian Society for Molecular Biology and Biotechnology, Kuala Lumpur, Malaysia, May 16-17, 1995, (talk presented by AKM Mohiuddin).
 - **Chowdhury MKU** and Indra K. Vasil (1992) Transfer of a herbicide resistance gene in sugarcane via microprojectile bombardment of cell suspension cultures and electroporation of protoplasts. Advances in Gene Technology: Feeding the World in the 21st Century. P35
 - Smith RL, RA Wheeler and **MKU Chowdhury** (1990) Characterization and sequence analysis of DNA fragments rearranged by reversion from cytoplasmic male sterility to fertility in pearl millet. Second International Mitochondrial meeting at the Cornell University, Ithaca, NY. September 19-23, 1990.
 - Smith Rex L and **MKU Chowdhury** (1990) CMS mutants and revertants for molecular study of CMS and mitochondrial genomic stability. Florida winter organelle meeting. February 22-25, 1990, (talk presented by Smith).

- Moore K, **MKU Chowdhury**, RL Smith and DA Knauft (1989) Restriction fragment length polymorphism (RFLP) in the genus *Arachis*. Soil and Crop Sci. Soc. of Florida annual meeting, at St. Petersburg, FL, (talk presented by Moore).
- Smith RL, **MKU Chowdhury** and SC Schank (1989) Use of restriction fragment length polymorphism (RFLPs) in genetics and breeding napiergrass. Soil and Crop sci. Soc. Fla., annual meeting, St. Petersburg, Florida, USA, (talk presented by Smith).
- Smith RL, **MKU Chowdhury** and DR Pring (1987) Mitochondrial genome rearrangements in cytoplasmic male sterile mutants and their fertile revertants. Second International Congress on Plant Molecular Biology, Jerusalem, November 13-18, (talk presented by Smith).
- Rex L. Smith and **MKU Chowdhury** (1986) Molecular studies of cytoplasmic male sterility in Pennisetum. International workshop on higher plant mitochondrial DNA, Airlie, VA, USA, October 19-24, pp. 54, (talk presented by Smith).
- **Chowdhury MKU**, DeBonte LR, Matthews BF and GW Schaeffer (1985) Alteration in the restriction pattern and cytochrome oxidase subunit II gene of the mitochondrial genome of a biochemically selected rice line. Mid-Atlantic Plant Molecular Biology Society Meeting, August 22-23, Beltsville, MD, USA

SCIENTIFIC MEETINGS ATTENDED (1998-2007)

- SIVB Annual Meeting, May 2007, Indianapolis, IN, USA
- 11th International Association for Plant Tissue Culture & Biotechnology (IAPTC&B) Congress, August 13-18, 2006, Beijing, China
- ASHS Annual International Conference, July 18-21, 2005, Las Vegas, Nevada, USA
- 5th International Plant Tissue Culture and Biotechnology Conference, December 4-6, 2004 Dhaka, Bangladesh
- IUFRO Joint Conference of Division 2, Forest Genetics and Tree Breeding in the age of Genomics: Progress and Future, Nov 1-5, 2004, Charleston, SC, USA
- IEG-40 Meeting: Advancing Regeneration Technologies for the deployment of elite Southern pine germplasm. June 22-24, 2004, Jeckyl Island, FL, USA
- SIVB Annual Meeting, May 2004, San Francisco, CA, USA
- 27th Southern Forest Tree Improvement Conference, June 24-27, 2003, OSU, Stillwater, OK, USA
- 1st International Congress on Bioreactor Technology in cell, tissue culture, and biomedical applications, July 14-18, 2003, Tempere, Finland
- IAPTC Meeting: Plant Biotechnology 2002 and Beyond. June 23-28, 2002. Disney's Coronado Springs Resort, Orlando, FL, USA
- Wood, Breeding, Biotechnology, and Industrial Expectations, June 11-14, 2001, Bordeaux, France
- SIVB Annual Meeting, June 2000, San Diego, CA
- SIVB Annual Meeting, May 1999, New Orleans, USA
- 1st International Cryopreservation Meeting, October 1998, Tsukuba, Japan
- Conifer Biotech: Working Group Meeting, June 7-11, 1998, Rutgers University, NJ

CHAIRPERSON / MODERATOR

- Invited moderator of session: Enabling Technologies, International Symposium on Biotechnology of Temperate Fruit Crops and Tropical Species, October 10-14, 2005 (could not attend)
- Chairperson of session: Production of horticultural, ornamental, timber, and other cash crops through in vitro techniques, 5th International Plant Tissue Culture and Biotechnology Conference, December 4-6, 2004, Dhaka, Bangladesh
- Moderator of Session: Advances in SE Technology and Clonal Forestry, 2004 IUFRO Joint Conference of Division 2, Forest Genetics and Tree Breeding in the age of Genomics: Progress and Future, Nov 1-5, 2004, Charleston, SC, USA

PROFESSIONAL MEMBERSHIPS

Society for in Vitro Biology (SIVB)

International Association for Plant Tissue Culture (IAPTC)

American Society for Horticultural Sciences (ASHS)

International Society for Horticultural Sciences (ISHS)

Society of American Foresters (SAF)

COMPUTER SKILLS

- Microsoft Office,
- Adobe Photoshop
- Microsoft Project
- SAS

Training

- Anaerobic microbiology training
- Total quality management
- Radiation safety training
- Pesticide handling training