Updted 13/09/2017

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| **Dr M. Ajmal Ali**, PhD, FEHT  *Associate Professor* | C:\Users\User\Desktop\cv sept 2016\ksu_masterlogo_colour_rgb.png |

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| Department of Botany & Microbiology  College of Science , King Saud University  Riyadh-11451, Post Box 2455  Saudi Arabia  Tel. 966.11.46-99635 (o), 966-501449168 (m)  Email- alimohammed@ksu.edu.sa  Home: http://fac.ksu.edu.sa/alimohammad/home | C:\Users\User\Desktop\pp ajmal\scan00041.jpg |

**Google Scholar** (https://scholar.google.com/citations?user=V41JtJMAAAAJ&hl=en) Citation indices Citations- 873, h-index- 16, i10-index- 29

**Research Gate** (https://www.researchgate.net/profile/Mohammad\_Ajmal\_Ali) RG Score 32.70

**Appointments:**

**2015 Associate Professor**

King Saud University, Riyadh, Saudi Arabia (April 2015- to present)

**2010 Assistant Professor**

King Saud University, Riyadh, Saudi Arabia

**2008 Post Doctoral Research Associate**

Korea Research Institute of Bioscience and Biotechnology, Daejeon, South Korea

**Education:**

**2006** Ph.D. Tilka Manjhi Bhagalpur University (TMBU) Bhagalpur, Bihar, India

**1999** M.Sc. Tilka Manjhi Bhagalpur University (TMBU) Bhagalpur, Bihar, India

**Post Doctoral Fellowship:**

**2007-2008:** Tilka Manjhi Bhagalpur University (TMBU) Bhagalpur, Bihar, India {University Grants Commission (UGC) funded research project entitled ‘Molecular systematic study of *Aralia* L. in India using internal transcribed spacer (ITS) sequences of nuclear ribosomal DNA’}

**Fellowship:**

**2005-2007:** Junior Research Fellow in Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India (<http://dbtindia.nic.in/index.asp>) sponsored project on ‘Molecular systematic study of *Panax* L. in India using internal transcribed spacer (ITS) sequences of nuclear ribosomal DNA’ at University Department of Botany, Tilka Manjhi Bhagalpur University (TMBU) Bhagalpur, Bihar, India.

**2004:** Project Fellow in University Grants Commission (UGC), New Delhi, India (<http://www.ugc.ac.in/>) sponsored project on ‘Systematics of *Trichosanthes* L. (Cucurbitaceae)’ at University Department of Botany, Tilka Manjhi Bhagalpur University (TMBU) Bhagalpur, Bihar, India

**2003:** Senior Research Fellow (SRF) in National Bureau of Plant Genetic Resources (<http://www.nbpgr.ernet.in/>), National Agriculture Technology Project- Plant Biodivesity (NATP-PB) of Indian council of Agriculture Research, New Delhi, India (<http://www.icar.org.in/>) sponsored project on ‘Collection, evaluation and maintenance of pointed gourd and *Momordica* germ germplasm from Bihar’ at University Department of Botany, Tilka Manjhi Bhagalpur University (TMBU) Bhagalpur, Bihar, India

**Research Grant:**

**2015-2017:** High-throughput detection of apoptotic active principles of *Anthemis deserti* (-an endemic medicinal flowering plant of Saudi Arabia) and their role in modulation of signal transduction in breast cancer cells (sponsored by: King Abdulaziz City for Science and Technology, KACST, Riyadh Saudi Arabia http://www.kacst.edu.sa/en/about/Pages/default.aspx, Co-Investigator).

**2014-2016:** Development and characterization of antimicrobial surface with and without self-polishing nanosegments (sponsored by: The National Plan for Science, Technology and Innovation (NPST), Saudi Arabia, https://npst.ksu.edu.sa/en, Co-Investigator)

**2011-2016:** Co-Investigator in Research Group Project (# RGP-VPP-195, # RGP-VPP-014), sponsored by Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia (<http://dsrs.ksu.edu.sa/english/default.aspx>)

**Supervision of Doctoral Thesis:**

**Suliman Mohammed Al-Ghanem (2013)** Molecular evolutionary studies on the genus *Limonium* (Plumbaginaceae) from Saudi Arabia using internal transcribed spacer sequences of nuclear ribosomal DNA

**Mesfer Mashabb Saed Al-Qahatani (2013)** Molecular phylogenetic studies on *Euphorbia schimperiana* inferred from internal transcribed spacer sequences of nuclear ribosomal

**Fahad Mohammed Alzeibr (2013)** Phylogenetic relationships of *Nepeta sheilae* (an endemic species to Saudi Arabia) within the genus based on internal transcribed spacer sequences of nuclear ribosomal DNA

**Sanad Mutlaq Al-Sobeai (2013)** Assessment of genetic diversity of *Anastatica hierochuntica* (kaff maryam) from Saudi Arabia based on internal transcribed spacer sequences of nuclear ribosomal DNA gene

**Mohamed S. Elshikh (2016)** Molecular evolutionary studies on *Polygonum palaestinum* Zohary (Polygonaceae) from Saudi Arabia using ITS sequences of nuclear ribosomal DNA

**Mohammad Ibrahim Alallah:** Evaluation of medicinal plants from Fayfa and Wadi Dhamad region with special reference to bioprospecting of plant with anticancer activity(under progress)

**Experiences:**

Teaching: Graduate and Post Graduate course, Molecular phylogenetics, Plant taxonomy, Field Systematic, Bioinformatics at King Saud University, Riyadh, Saudi Arabia; Post Graduate practical course, Plant Systematics, at TMBU, Bhagalpur, Bihar, India

Molecular Systematics experimental techniques: DNA extraction, Automatied DNA extraction Qiagen-QIAcube, Polymerase Chain Reaction, Agarose Gel Electrophoresis, DNA sequencing

Bioinformatics: Phylogenetic analysis (PAUP 4.0, MacClade, BioEdit, DNA for windows, ClustalX, MEGA5, MrBayes, SeaView, Sequence Navigator, GenAlEx, dnaSP, TCS, ITS2workbench, ProfDist, 4SALE, CBC analyser, ITS2 secondary structure prediction), Molecular docking (PyRx, Chemisketch, Autodoc, HEX, Chimera, RASMOL, LigPlot+, SAVE)

Microscopy: Scanning Electron Microscopy, florescence microscopy

Plant bioprospecting: Animal Cell culture (MCF-7, HFS), Cytotoxicity (Trypan Blue assay, MTT assay), Determination of DNA damage (DNA apoptosis ladder assay, COMET assay), Intracellular reactive oxygen species (ROS) measurement, Flow cytometery (Annexin-V FITC apoptosis induction assay by flow cytometry), Detection of autophagy by acridine orange staining, RT PCR, UV-spectrophotometer, ELISA, Natural product characterization (Preparative HPLC, GCMS, LCMSMS)

Bionanotechnology: Plant mediated nanopartices synthesis, nanopartices characterization (FTIR, TEM, XRD)

**PhD Thesis examiner:**

-Bharathia University, Coimbatore, Tamil Nadu, India (<http://www.b-u.ac.in/>)

-Gauhati University, Guwahati, Assam, India (<http://www.gauhati.ac.in/>)

-Bharathidasan University, Tiruchirappalli, Tamil Nadu, India ([http://www.bdu.ac.in/](http://www.bdu.ac.in/index1.php))

-Rajiv Gandhi University, Itanagar, Arunachal Pradesh, India (<http://www.rgu.ac.in/>)

-Annamalai University, Annamalai Nagar, Tamil Nadu, India ([http://annamalaiuniversity.ac.in](http://annamalaiuniversity.ac.in/)/)

-Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha, India (http://www.kiit.ac.in/index.html)

**Research paper reviewer**

**PLOS ONE** (plosone@plos.org), **Nordic Journal of Botany** (http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1756-1051), **International Journal of Biological Macromolecules** (https://www.journals.elsevier.com/international-journal-of-biological-macromolecules), **Journal of Functional Foods** (<http://www.journals.elsevier.com/journal-of-functional-foods/>), **Pharmacognosy Magazine** (http://www.phcog.com) , **Journal of Aquaculture & Marine Biology** (<http://medcraveonline.com/JAMB/>), **Arabian Journal for Science and Engineering (**<http://link.springer.com/journal/13369>), **Electronic Journal of Biotechnology (**<http://www.ejbiotechnology.info/index.php/ejbiotechnology>), **BMC Complementary and Alternative Medicine**, ISSN(<http://bmccomplementalternmed.biomedcentral.com/>), **Biological Journal of the Linnean Society** (<http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1095-8312)>, **The Arabian Journal for Science and Engineering** (ttp://www.springer.com/engineering/journal/13369), **The Journal of Animal and Plant Sciences** (<http://www.thejaps.org.pk/>), **Saudi Journal of Biological Sceicnes,(**<http://www.journals.elsevier.com/saudi-journal-of-biological-sciences/>), **Journal of Medicinal Plant Research (**<http://www.academicjournals.org/jmpr/>), **Indian Journal of Biotechnology (**<http://www.niscair.res.in/sciencecommunication/researchjournals/rejour/ijbt/ijbt0.asp>), **African Journal of Biotechnology (**<http://www.academicjournals.org/AJB/index.htm>), **African Journal of Microbiology Research (**<http://www.academicjournals.org/AJMR/index.htm>), **African Journal of Environmental Science and Technology (**[www.academicjournals.org/ajest](http://www.academicjournals.org/ajest)), **Pleione- an official journal of EHSST (**http://www.ehsst.org/) , **Nucleosides, Nucleotides and Nucleic Acids** (http://www.tandfonline.com/toc/lncn20/current), Current Gene Therapy (http://benthamscience.com/journals/current-gene-therapy/), **Bangladesh Journal of Plant Taxonomy, (**<http://www.banglajol.info/index.php/BJPT>), Mini-Reviews in Medicinal Chemistry (<http://benthamscience.com/journals/mini-reviews-in-medicinal-chemistry/#top>)

**Memberships of scientific societies:**

-International Society of Plant Morphologist (http://phytomorphology.tripod.com/)

-Indian Association for Angiosperm Taxonomy (http://www.iaat.org.in/)

-East Himalayan Society for Spermatophyte Taxonomy (http://www.ehsst.org/) [Founder member]

-Bangladesh Journal of Plant Taxonomy (http://www.banglajol.info/index.php/BJPT)

-Indian Botanical Society (http://indianbotsoc.org/)

-Indian Science Congress Association (<http://sciencecongress.nic.in/html/index.html>)

-American Society of Plant Taxonomists (http://www.aspt.net/)

**Journal eSubscription:**

1. Nature, 2. Science, 3. Scientific Report, 4. Plant Biology, 5. Evolutionary Bioinformatics, 6. Journal of Cell Death, 7. Biochemistry Insights, 8. Bioinformatics and Biology Insights, 9. Biomarker Insights, 10. Biomarkers in Cancer, 11. Biomedical Engineering and Computational Biology, 12. Biomedical Informatics Insights, 13. Breast Cancer: Basic and Clinical Research, 14. Cancer Growth and Metastasis, 15. Cancer Informatics, 16. Cell Biology Insights, 17. Cell Communication Insights, 18. Reproductive Biology Insights, 19. Bangladesh Journal of Plant Taxonomy, 20. Diversity, 21. International Journal of Moelcular Sciences, 22. Plant Science

**Member in journals**

Indo Global Journal of Pharmaceutical Sciences, ISSN 2249-1023 (http://iglobaljournal.com/) [editorial advisory board).

The Biobrio, ISSN: 2393-9508 (http://www.thebiobrio.in/) [editorial advisory board].

**Committee member**

Purchase committee, Department of Botany and Microbiology, KSU, Riyadh, KSA (2013-2015).

Implementations team for fulfillment the requirements of the fifth standard of SSR in botany program., Department of Botany and Microbiology, KSU, Riyadh, KSA (2013-2015).

Laboratory monitoring committee, Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia (2016).

**Editorial experience:**

**Pleione-** an official journal of East Himalayan Association for Spermatophytic Taxonomy ISSN: 0973-9467 (http://www.ehsst.org/) [Co-Editor]

**Research in Environment and Life Sciences,** Journal of Society for Environmental Protection, ISSN: 0974 – 4908 (http://rels.110mb.com/) [Member of the editorial board]

**Egyptian Journal of Horticulture,** Journal of the Horticulture Research Institute, Egypt, ISSN: 1110-0206 (<http://www.horticulture-egypt.com/)> [Member of the editorial board]

**Organization of workshop:**

Workshop on ‘Applications of analytical and florescence techniques in plant bioprospecting’at Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia (Dated April 13, 2016)

Workshop on ‘DNA barcoding’ at Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia (Dated February 22, 2015)

Workshop on Fundaments of Bioinformatics, at molecular Phylogenetics, Bioinformatics and Plant bioprospecting Laboratory, Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia (Dated April 18, 2012)

Workshop on Plant Molecular Taxonomy, at Molecular Phylogenetics, Bioinformatics and Plant bioprospecting Laboratory, Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia (December 10, 2011)

**International Collaboration:**

**Professor Joongku Lee**,Department of Environment and Forest Resources, Chungnam National University, 99 Daehak-ro, Yuseong-gu, Daejeon 34134, South Korea (Email: jklee6@daum.net)

**Dr. Soo-Young Kim**,Asst. Director, Instituto Nacional de Biodiversidad, Costa Rica, USA (Email:[soodole@hanmail.net](mailto:soodole@hanmail.net))

**Professor Shen-Ming Chen**,Distinguished Professor, Department of Chemical Engineering and Biotechnology, National Taipei University of Technology, No. 1, section 3, Chung-Hsiao East Road, Taipei, Taiwan 106 (ROC) (Email: smchen78@ms15.hinet.net)

**Professor Gábor Gyulai**, Institute of Genetics and Biotechnology, St. István University, Gödöllo H-2103, Hungary (Email:Gyulai.Gabor@mkk.szie.hu)

**Professor M. Oliur Rahman**, Department of Botany, University of Dhaka, Dhaka 1000, Bangladesh (Email: prof.oliurrahman@gmail.com)

**Instituted medal award:**

**Arun Pandey Biodiversity Medal Award:** For members of EHSST (East Himalayan Society For Spermatophyte Taxonomy, headquarter at Department of Botany, University of North Bengal, Raja Rammohunpur, Siliguri 734013, India) (<http://www.ehsst.org/EHSST-awards.html>)

**Visiting scholar:**

Department of Biotechnology and Bioinformatics, North Eastern Hill University, Shillong, Meghalaya, India (2015)

Centre for Advances Studies in Botany, North-Eastern Hill University, Shillong (NEHU), Shillong, Meghalaya, India, <http://www.nehu.ac.in/> (2006, 2007)

Molecular Cytogenetics Laboratory, Department of Botany, University of North Bengal, Siliguri-734013, West Bengal, India, www.nbu.ac.in (2005, 2006)

The National Research Centre on Makhana, The ICAR Research Complex for Eastern Region (ICAR-RCER), Patna, Bihar, <http://www.icarrcer.res.in/about/gen.html> (2003)

**Field trip for plant exploration:**

Exploration of plant material from (a) India (2003-2008): Bihar, Jarkhand, UP, Arumacnal Pradesh, Darjeeling (West Benagal), Sikkim, Meghalaya, Nagaland, Manipur [sponsored by: National Bureau of Plant Genetic Resources (<http://www.nbpgr.ernet.in/>) project on ‘National Agriculture Technology Project- Plant Biodivesity (NATP-PB) (<http://www.nbpgr.ernet.in/AboutNBPGR/RegionalStations.aspx>)’ of Indian council of Agriculture Research, New Delhi, India (<http://www.icar.org.in/>), Special Assistance Program- Departmental Research Support (SAP-DRS) Phase III of University Grants Commission, New Delhi (<http://www.ugc.ac.in/>) to University Department of Botany, Tilka Manjhi Bhagalpur University (TMBU) Bhagalpur, Bihar, India (http://www.tmbu.org/index.asp), Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India (<http://dbtindia.nic.in/index.asp>) sponsored research project (Number: BT/PR/4131/AGR/16/344/2003) on ‘Molecular systematic study of *Panax* L. in India using internal transcribed spacer (ITS) sequences of nuclear ribosomal DNA], (b) South Korea (2008-2010): Kwang Ju, [sponsored by KRIBB, joint field trip for plant exploration with BPPT, Center for the Assessment and Application of Technology, Indonesia], Muju [sponsored by Seed Bank project of International Biological Material Research Center, Korea Research Institute of Bioscience and Biotechnology (KRIBB), Daejeon, South Korea (http://www.kribb.re.kr/eng/)] (c) Saudi Arabia (2010-2016): Al-Thumama, Wadi Hanifa [sponsored by King Saud University Research Group Project).

**Herbarium consultation:**

**KSU**: Herbarium of the Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia (Institution at present establishment).

**KRIB**: Herbarium of the Korea Research Institute of Bioscience and Biotechnology, Daejeon, South Korea (Host institution of Post Doctoral Fellowship).

**RIY**: National Herbarium & Genebank, National Agriculture & Animal Resources Research Center, Ministry of Agriculture, Riyadh-11484, Saudi Arabia (May 3, 2011)

**CAL**: Botanical Survey of India, Central National Herbarium, Howrah, West Bengal, India (March 17-18, 2008, March 15-20, 2006, September 24-27, 2005, March 16-18, 2005, September 3-7, 2004)

**ARUN**: Botanical Survey of India, Arunachal Field Station, Itanagar, Arunachal Pradesh, India (June 23-27, 2005)

**ASSAM:** Botanical Survey of India, Eastern Circle, Shillong, Meghalaya, India (September 5-9, 2005)

**BSHC**: Botanical Survey of India, Sikkim Himalayan Circle, Gangtok, Sikkim, India (July 1-3, 2006)

**DD:** Forest Research Institute, Dehradun, India (January 19, 2008)

**LWG**: National Botanical Research Institute, Lucknow, India (September 6-9, 2004)

**SFRI:** State Forest Research Institute, Itanagar, Arunachal Pradesh, India (June 23-27, 2005)

**NBU**: Herbarium of the Department of Botany, North Bengal University, Siliguri, India (January 24, 2005 to Febrauary 2, 2005; January 21-31, 2006)

**NEHU:** Herbarium of the Department of Botany, North Eastern Hill University, Shillong, Meghalaya, India (April 12, 2006)

**ARI**: Herbarium of the Agharkar Research Institute, Pune, Maharashtra, India (October 4-6, 2006)

**WII:** Herbarium of the Wild Life Institute of India, Dehradun, India (January 28, 2008)

**NERIST:** North Eastern Regional Institute of Science and Technology, Nirjuli, Itnanagar, Arunachal Pradesh, India (<http://www.nerist.ac.in/>) (June 23-27, 2005)

**LBG**: Herbarium of the Lloyd's Botanical Garden, Darjeeling, West Bengal, India, September (19-26, 2005)

**HARP:** Herbarium of the National Bureau of Plant Genetic Resources, Ranchi, Jharkhand, India (June 4, 2003)

**Honor:**

Appreciation from Chairman, Department of Botany and Microbiology, College of Science, King Saud University Riyadh, Saudi Arabia for distinguished research published in Nature and other ISI Journals (November 6, 2012)

Inauguration, 3rd poster festival, Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea (November 11, 2009)

**Chief speaker:**

KRIBBian International Researcher Day held on December 22, 2009, at Korea Research Institute of Bioscience and Biotechnology (KRIBB), 111 Gwahangno, Yuseong-gu, Daejeon, South Korea 305-806

**Invited lecture:**

Moelcular phylogentic s and plant bioprospecting. In: St. Joseph College, North Point, Darjeeling, West Bengal, India (July 6, 2015)

DNA finger printing and bioprospecting. In: KKM College Pakur, Jharkhand, India (August 6, 2015)

Status of TMBU Botanical Garden (Bhagalpur) In: Botanical Garden Conservation International (BGCI) Workshop on Information Management of Plant Genetic Resources in Botanic Garden of India, held at National Botanical Research Institute, Lucknow, UP, India ( September 6-9, 2004)

**International resource person in workshop:**

Lecture on ‘Essential of molecular systematic’ and demonstracted practical on DNA extraction, amplification and phylogentic analysis. In: workshop on molecular systematic of flowering plants, held at Department of Botany, North campus, Delhi University, Delhi, India, from October 5-10, 2009.

**Training course/ Workshop attended:**

Training on computer added drug designing , under Professor Atanu Bhattacharjee, at Department of Biotechnology and Bioinformatics, North-Eastern Hill University, Shillong (NEHU), Shillong, Meghalaya, India, <http://www.nehu.ac.in/>, (June 21, 2015-July 21, 2015)

Workshop on Molecular application of Real time PCR, held at Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia, Organised by Al-Jeel Medical Co., Riyadh and BIO-RAD (October 29, 2013)

Workshop on Next Generation Chromatography, held at Department of Botany and Microbiology, College of Science, King Saud University, Riyadh, Saudi Arabia, Organised by Al-Jeel Medical Co., Riyadh and BIO-RAD (Septmber 29, 2013)

Workshop organized by International Biological Material Research Centre (IBMRC), Korea Research Institute of Bioscience and Biotechnology (KRIBB), Daejeon, Republic of South Korea [Winter Workshop 2010 (December 5-6, 2010), Summer Workshop 2009 (June 2-3, 2009), Summer Workshop 2009 (June 23-25, 2009), Winter Workshop 2009 (December 16-18, 2009), Summer Workshop 2008 June 15-17, 2008), Winter Workshop 2008 (December 19-21, 2008)]

Training on Plant Taxonomy orgainized at Forest Research Institute, Dehradun, India (fri.icfre.gov.in/) sponsored by Ministry of Environment and Forests (MoEn&F), Government of India (January 21-31, 2008)

International workshop on Molecular Systematics: Principles and Practices (TMBU Bhaglapur, India) 2007 organized by the Plant Systematics Research Centre (PSRC), Department of Botany, Tilka Manjhi Bhagalpur University, Bhagalpur, Bihar, India, under the auspices of Indian Association for Angiosperm Taxonomy (IAAT), sponsored by the International Association for Plant Taxonomy (IAPT); Resource persons: Dr. Rosabelle Samuel (University of Vienna, Austria), Deepthi Yakandawala (University of Peradeniya, Sri Lanka), Dr. Hashendra Kathriarachchi (University of Colombo, Sri Lanka) (<http://www.tmbu.org/events.asp>) February 11-16, 2007.

DNA extraction and PCR (under Professor Arvind K. Misra, at Centre for Advances Studies in Botany, North-Eastern Hill University, Shillong (NEHU), Shillong, Meghalaya, India), <http://www.nehu.ac.in/> (Febraury 5, 2006 to March 5, 2006)

Fundamentals of Phylogenetic Analysis (under Professor Arvind K. Misra at Centre for Advances Studies in Botany, North-Eastern Hill University, Shillong (NEHU), Shillong, Meghalaya, India), <http://www.nehu.ac.in/>, (April 12-27, 2006)

Introductory course on Bioinformatics (TMBU Bhaglapur, India), <http://www.tmbu.org/bioinformaticshome.asp>, (November 28, 2006 to December 1, 2006)

Basic Molecular Biology and Tissue Culture Techniques (under Professor Arnab Sen at Molecular Cytogenetics Laboratory, Department of Botany, University of North Bengal, Siliguri-734013, West Bengal, India, www.nbu.ac.in ( January 10-25, 2006)

Herbarium Methodology (under Dr A.A. Ansari, Joint Director, Botanical Survey of India, Himalayan Circle, Gangtok, Sikkim, India, (September 5-9, 2005)

Basic Molecular Biology Techniques (under Professor Arnab Sen at Molecular Cytogenetics Laboratory, Department of Botany, University of North Bengal, Siliguri-734013, West Bengal, India, www.nbu.ac.in (January 22, 2005 to Febraury 2, 2005)

Scanning Electron Microscopy studies at the University Science Instrumentation Centre and Central Instrumentation Facility, The University of Burdwan, Golapbag, Bardhaman- 713104, West Bengal, India, <http://www.buruniv.ac.in/> (March 22-23, 2004, December 20-2, 2005)

Workshop on Post collection care and handing of germplasm, held at National Bureau of Plant Genetic Resources (NBPGR), Regional Station- Ranchi CHES Campus, Plandu, P.O. Rajaulatu, Tata Road, Namkum, Ranchi - 834010, Jharkhand, India, 2003 (<http://www.nbpgr.ernet.in/Regional_Stations/Ranchi_Jharkhand.aspx>)

Orientation course in Contemporary Trends in Taxonomy of Angiosperm, organized by Professor Arun K. Pandey (Course Coordinator) and Profoesor J.V.V. Dogra (Course Director), held at Plant Systematics Laboratory, Department of Botany, TM Bhagalpur University, Bhaglapur, Bihar, India (Septemebr 11-25, 2001), Sponsored by Department of Science and Technology, Government of India; Reource person: Dr Jun Wen, Research Botanist & Curator, MRC-166/Botany, Smithsonian Institution, Washington, DC, USA.

**Conference/Seminar/Symposium**

The Saudi International Biotechnology Conference 2012, held at King Abdulaziz City for Science and Technology (KACS), Riyadh, Saudi Arabia, <http://www.kacst.edu.sa/en/about/Pages/default.aspx>, (September 18-19, 2012)

The 2nd CAPCR Scientific Meeting on Natural Products and Drug Discovery, held at Department of Zoology, College of Science, King Saud University, Riyadh, Saudi Arabia (May 1-2, 2011)

2010 KRIBB Conference held in Korea Research Institute of Bioscience and Biotechnology, Daejeon, Republic of South Korea (January 7, 2010)

Annual meeting of the Korean Association of Biological Society, Daejeon University, Korea (August 20-22, 2009)

Korea 21ST century frontier R&D Fair Tech, Lotte world, Seoul, Republic of South Korea (October 28, 2009)

Annual meeting of the Korean Association of Biological Sciences, Mokpho National University, Mokpho, South Korea. <http://eng.mokpo.ac.kr/english/englishMain.do> (August 19-20, 2008)

XXX All India Botanical Conference of India Botanical Society and National Seminar on Emerging Trends in Plant Sciences: Biodiversity, Biotechnology and Environmental Conservation, held on November 28-30, 2007, at Department of Botany, Jiwaji University (www.jiwaji.edu/‎), Gwalior, Madhya Pradesh, India

XVII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on Changing Scenario of Angiospermic Systematics, held on November 19-21, 2007, at Department of Botany, Shivaji University (www.unishivaji.ac.in/‎), Kolhapur, Maharashtra, India

XVI Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on Present Trends and Future Prospects of Angiosperm Taxonomy, held on October 4-6, 2006, at Agharkar Research Institute (www.aripune.org/‎), Pune, Maharashtra, India

XXIX All India Botanical Conference of Indian Botanical Society held on October 9-11, 2006, at Department of Botany, Mohanlal Sukhadia University (www.mlsu.ac.in/‎), Udaipur, Rajasthan, India

IXV Annual Conference of Indian Association for Angiosperm Taxonomy and National Seminar on Plant Sciences Research in India: Challenges and Prospects, held on October 20-21, 2005, at Department of Botany, Rashtrasant Tukadoji Maharaj Nagpur University (www.nagpuruniversity.org/‎), Nagpur, Maharashtra, India

XXVIII All India Botanical Conference of Indian Botanical Society (IBS) and National Symposium on Plant Sciences Research in India: Challenges and Prospects held on October 24-26, 2005, at Botanical Survey of India, Northern Circle (<http://164.100.52.111/circles/northern-circle.htm>), Dehradun, Uttarakhand, India

BGCI Workshop on Information Management of Plant Genetic Resources in Botanic Garden of India, National Botanical Research Institute, ([www.nbri.res.in](http://www.nbri.res.in)), Lucknow, UP, India September 6-9, 2004

XIII Annual Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Plant Taxonomy: Advances and Relevance, held on November 14-15, 2003, at Department of Botany, TM Bhaglapur University, Bhagalpur, Bihar, India

**Oral/Poster presentation:**

Relationship among the subfamily Cucurbitoideae (family Cucurbitaceae) from India inferred from ITS sequences of nuclear ribosomal DNA (Poster). In: Annual Meeting of the Korean Association of Biological Society held on August 20-22, 2009, at Daejeon National University, Korea.

Inclusion of *Luffa tuberosa* Roxb. in *Momordica* L. (Cucurbitaceae): evidence from ITS sequences of nuclear ribosomal DNA (Poster). In: Annual Meeting of the Korean Association of Biological Society, held on August 20-22, 2009 at Daejeon National University, Korea.

A molecular systematic study of some species of *Trichosanths* L. (Cucurbitaceae) using ITS sequences of nrDNA and its taxonomic implication (Poster). In: The 3rd KRIBB poster festival held on November 11, 2009 at Korea Research Institute of Bioscience and Biotechnology, Daejeon, Republic of South Korea.

Studies on seedling morphology of some medicinal plants of Korea (Poster). In: The 3rd KRIBB poster festival held on November 11, 2009 at Korea Research Institute of Bioscience and Biotechnology, Daejeon, Republic of South Korea.

Molecular systematic studies of *Panax* L. (Araliaceae) in India inferred from ITS sequences of nuclear ribosomal DNA (Oral). In: XVII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on Changing Scenario of Angiospermic Systematics, held on November 19-21, 2007, at Department of Botany, Shivaji University, Kolhapur, (Maharashtra), India.

Phylogenetic relationships among species of *Panax* L. (Araliaceae) based on ITS sequences of nrDNA (Oral). In: XXIX All India Botanical Conference of Indian Botanical Society held on October 9-11, 2006, at Mohanlal Sukhadia University, Udaipur (Rajasthan), India.

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| **Book chapters** | |
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| 3. | Al Hemaid FMA, G Gyulai, **MA Ali** (2017) **Plant molecular systematics.** In: G Gyulai (Ed.) Plant Genetics Biotechnology and Forestry,University Textbook. St István University Press, Gödöllő, Hungary, 2nd Edition. Chapter 7, pp. 37-42. ISBN: 978-963-269-580-8. |
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**DNA sequences submitted to NCBI GenBank**

**nrDNA ITS:** *Panax pseudoginseng* (FJ853617); *Panax variabilis* (FJ872554); *Panax assamicus* (FJ872555); *Panax assamicus* (FJ872556, HQ141398-HQ141404, FJ853614-FJ853615, FJ853618-FJ853619, FJ872553, FJ872547, FJ872549, FJ872555); *Panax japonicus* var. *bipinnatifidus* (HQ588762- HQ588776, FJ872546, FJ872551); *Panax japonicus* var. *angustifolius (*FJ853613, FJ872550, FJ853616, FJ872552, FJ872548); *Diplocyclos palmatus (*GQ183041, JN834057- JN834076); *Benincasa hispida* (GQ183037); *Coccinia grandis (*GQ183038); *Cucumis melo* subsp. *agrestis* (GQ183039); *Cucumis sativus* (GQ183040); *Edgaria darjeelingensis* (GQ183042); *Lagenaria siceraria* (GQ183043); *Luffa acutangula* (GQ183044); *Luffa aegyptiaca* (GQ183045); *Momordica cymbalaria* (GQ183046); *Momordica dioica* (GQ183048); *Solena heterophylla* (GQ183047); *Trichosanthes lepiniana* (GQ183049); *Trichosanthes tricuspidata* (GQ183050, GQ240880); *Trichosanthes dioica* (GQ240881); *Trichosanthes cucumerina* var. *anguina* (GQ240882); *Trichosanthes cucumerina* var. *cucumerina* (GQ240883); *Trichosanthes kirilowii* (GQ240884); *Aralia malabarica* (GU233724); *Hydrocotyle javanica* (GU447308); *Hydrocotyle sibthorpioides* (GU447309); *Hydrocotyle conferta* (GU447310); *Hydrocotyle* sp. Karuppusamy (GU447311); *Cuscuta reflexa* (HQ728491- HQ728520); *Persicaria barbata* (HQ709145- HQ709160); *Phytolacca icosandra* (JX232570); *Phytolacca dioica* (JX232571); *Phytolacca americana* (JX232572-JX232573); *Phytolacca bogotensis (*KM491868); *Phytolacca brachystachys (*KM491869); *Phytolacca dodecandra* (KM491870); *Phytolacca heptandra* (KM491871); *Phytolacca heterotepala* (KM491872); *Phytolacca meziana* (KM491873); *Phytolacca octandra* (KM491874); *Phytolacca purpurascens* (KM491875); *Phytolacca rivinoides* (KM491876); *Phytolacca rugosa* (KM491877); *Phytolacca sanguinea* (KM491878); *Phytolacca tetramera* (KM491879); *Phytolacca thyrsiflora* (KM491880); *Phytolacca weberbaueri* (KM491881); *Gisekia pentadecandra* (JX232574); *Gisekia africana* (JX232575); *Hilleria latifolia* (JX232576); *Microtea debilis* (JX232577); *Ledenbergia seguierioides* (JX232578); *Monococcus echinophorus* (JX232579); *Petiveria alliacea* (JX232580); *Agdestis clematidea* (JX232581); *Anisomeria coriacea* (JX232582); *Rivina humilis* (JX232583); *Schindleria weberbaueri* (JX232584); *Seguieria coriacea* (JX232585); *Stegnosperma scandens* (JX232586); *Stegnosperma cubense* (JX232587); *Stegnosperma halimifolium* (JX232588); *Trichostigma octandrum* (JX232589); *Gallesia integrifolia* (JX232590); *Limeum myosotis* (JX232591); *Limeum pterocarpum* (JX232592); *Myriophyllum aquaticum* (KC012915- KC012918); *Ceratophyllum demersum* (KC012919- KC012922); *Reseda pentagyna* (JX867260); *Polygonum palaestinum* (JX162771); *Artemisia annua* (HQ735409-HQ735414); *Ruta graveolens* (HQ830197); *Euphorbia dracunculoides* (HQ830198), *Euphorbia scordfolia* (KR704890). To be submitted *(Aloe fleurentiniorum, Anthemis scrobicularis, Anthemis deserti, Astragalus collenettae, Delphinium sheilae, Echinops abuzinadianus, Echinops mandavillei, Euryops jaberiana, Indigogera spinosa, Kickxia abhaica, Melhania jaberii, Nepeta sheilae, Salsola arabica, Silene asirensis, Silene corylina, Teucrium hijazicum, Limonium axillare, Anastatica hierochuntica, Celosia trigyna, Euphorbia serpens, Euphorbia dracunculoides, Aloe rubroviolacea, Plectranthus tenuiflorus.* **tRNA-Leu (trnL):** *Reseda pentagyna* (JX867261). ***rpoB:*** *Phoenix dactilifera* (JN854236-JN854243); *Ruta graveolens rpoB* (JQ005149- JQ005150). ***rpoC1:*** *Ruta graveolens* (JQ005148- JQ005151). ***psbA-trnH:*** *Phoenix dactilifera* (JN854228 - JN854235).

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