

Dr. A. Aslam



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Resume

Educational qualification

- **Doctor of Philosophy** in Botany. (2012). [Bharathidasan University](#). Title of the thesis “**Protoplast, cell suspension culture and genetic transformation studies on *Withania somnifera* (L.) Dunal.**”
- **Master of Philosophy** in Botany in Centre for Distance Education, Bharathidasan University, Tiruchirappalli; with **85% - First class with Distinction.**
- Qualified with **National level Eligibility Test for lectureship (NET)** conducted by [Counsel of Scientific and Industrial Research & University Grants Commission](#). (Roll No. 325230)
- Master of Science in **Botany with specialization in Microbiology** (2002) in The [American college](#), Madurai, India; with **70 % - First class.**
- Certificate in computing (2000) in [Indira Gandhi National Open University](#), New Delhi, India; with **73%. – First class.**
- Bachelor of Science in Botany (2000) in The [Madura college](#), Madurai, India; with **74% - First class**
- Higher secondary schooling (1997) in M. L. W. A. Hr. Sec. School, Madurai, India; with **66% - First class**
- Secondary schooling (1995) in M. L. W. A. Hr. Sec. School, Madurai, India; with **82% - First class**

Awards and accomplishments

- **Outstanding Young Person Award** for the year 2012 by Junior Chamber International, Tiruchirappalli.
- **Summer Research Fellowship** for the Year 2007 by Indian Academy of Sciences, Bangalore in collaboration with National Association for Science and Indian National Science Academy, New Delhi. Worked in Rajiv Gandhi Centre for Biotechnology, Trivandrum during summer vacation 2007.
- Award for **Proficiency in University examinations** - for the year 1999-2000, by The Madura college.
- Award for the **Best NSS volunteer** for the year 1998-1999 given by Madurai University Teachers Association, The Madura College.
- **Best presentation Award** in Students seminar on Biodiversity in October 2001 given by P.G and Research department of Zoology, Thiagarajar College, Madurai.
- Award for **Outstanding activity** in the “Kathambam – a flower show” in March 2001 given by Biotechnology division, Southern petrochemicals Limited, Coimbatore.
- **Grant for students’ project** for the year 2001-2002 by Tamil Nadu State Council for Science and Technology, Chennai.

Membership in academics bodies

- Member, Consortium of Barcode of Life ([COBL](#)), Smithsonian Institute, USA
- Life Member, Indian Association for Angiosperm Taxonomy ([IAAT](#)), Calicut University, Calicut.

Hobbies

Photography, Proportionate drawing of plants, Bird watching, Butterfly rearing, Trekking and Amateur wireless station operation (Authorized by Ministry of communication, Govt. of India to operate wireless / telegraph station in India – Call sign VU2AXL).

Research and teaching experience

- **June 2005 to till date:** Working as Assistant Professor of Botany, Jamal Mohamed College, Tiruchirappalli, India. Teaching classical and applied fields of Plant Science for U.G, P.G classes.
- **September 2003 – 10th June 2005:** Worked as a Junior Research Fellow in Palynology laboratory, French Institute of Pondicherry. Worked on **Modern pollen rain and Plant Functional Types (PFTs) in Eastern Ghats** under the paleo-environments and climate change programme.
- **June 2002 – February 2003:** Worked as a Research Associate in Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore. Worked on **Quantification of forest dependency of periphery villages in kalakkad Mundanthurai Tiger Reserve.**

Research experience while postgraduation

- January 2002 – May 2002: Studying **Statistics and GIS based approach to monitor the dynamics of agro biodiversity** in *Karandamalai*, Dindigul district, Tamil Nadu using cropping pattern and anthropogenic disturbance in KMRF – funded by Tamil Nadu State Council for Science and Technology, Chennai. Under student project grant 2001-2002.
- March 2001 – December 2001: **Monitoring Plant diversity** in Karandamalai Reserve Forest – Funded by Department of Biotechnology and Western Ghats Biodiversity Network of Center for Ecological Sciences, Indian Institute of Science.

Patents

- ❖ National patent has been filed in **turmeric** plant by Dr. A. Shajahan, C. Soundar Raju and Dr. A. Aslam. [No. [750/CHE/2014 A](#), Dated: 18/02/2014(43) Date of publication: 28/02/2014]

Publications

Peer reviewed

- Soundar Raju, C., **Aslam, A.**, Kathiravan, K., Palani, P., Shajahan, A. (2014). [Direct somatic embryogenesis and plant regeneration from leaf sheath explants of mango ginger \(*Curcuma amada* Roxb.\)](#). In Vitro Cell. Dev. Bio. Plant. (DOI 10.1007/s11627-014-9653-x). **Impact Factor: 1.13.**
- Varutharaju, K., Soundar Raju, C., Thilip, C., **Aslam, A.**, Shajahan, A. (2013). [High efficiency direct shoot organogenesis from leaf segments of *Aerva lanata* \(L.\) by using thidiazuron](#). *The Sci. World J.* (Accepted 22 October 2013- **In press**). **Impact Factor: 1.73.**
- Soundar Raju, C., Kathiravan, K., **Aslam, A.**, Shajahan, A. (2012) [An efficient regeneration system via somatic embryogenesis in mango ginger \(*Curcuma amada* Rixb.\)](#). *Plant Cell Tiss. Org. Cult.* 112:387–393. **Impact Factor: 3.09.**
- Saravanakumar A, **Aslam A**, Shajahan A (2012) [Development and optimization of hairy root culture systems in *Withania somnifera* \(L.\) Dunal of withaferin-A production](#). *African journal of Biotechnology*, 11 (98): 16412-16420, **Impact Factor 0.57**
- Gritto, M.J., **Aslam, A.**, Nandagopalan, V. (2012) [Ethnomedicinal survey of threatened plants in Pachamalai hills, Tiruchirappalli district, Tamilnadu, India](#). *International Journal of Research in Ayurvedha and Pharmacy*, **3(6)**: 844-846.
- Senthil Kumar M, Vinothkumar D, Saravanakumar A, **Aslam A**, Shajahan A (2011) [The Phytochemical Constituents of *Withania somnifera* and *Withania obtusifolia* by GCMS Analysis](#), *International Journal of Pharmacognosy and Phytochemical Research*, **3 (3)**: 31-34.
- Saravanakumar, A., **Aslam, A.** and Shajahan, A. (2011). [Histochemical localization of cytokinin oxidase/dehydrogenase during the developmental stages of *Withania somnifera* \(L.\) Dunal](#). *Afr. J. Biotech.* **10(44)**: 8800-8804. **Impact Factor: 0.57**

- **Aslam, A.**, Mohamed Rafi, K., Kathiravan, K. and Shajahan, A. (2010) [Class-based stratification matrix for physical leaf traits in phenetic relations of *Withania somnifera* \(L.\) Dunal accessions](#). *Plant Sys Evol.* **288**: 99–111. **Impact Factor: 1.44**
- Mohamed Rafi, K., **Aslam, A.**, Kohila, S., Tanweer, J. and Shajahan, A. (2010) [Direct rhizogenesis from in vitro leaves of *Withania somnifera* \(L.\) Dunal](#). *Indian J. Plant Physiol.* **15**(2): 172 - 175

Books & contributions to edited volumes

- Lakshmi Prabha, A., Anburaja, V., Nandagopalan, V., and **Aslam, A.**, (2012). Facets of Biodiversity: Global perspective and regional status in Tamil nadu (Ed. Paul, V. I.). In: Biodiversity: Issues, Impacts, Remediation and Significance, VL Media Solutions, **ISBN: 978-93-80820-17-0**.
- Shajahan, A., **Aslam, A.**, Saravanakumar, A. 2011. A laboratory manual of basic techniques in plant molecular biology, JAZIM Publications, **ISBN: 978-81-909077-4-3**.
- Shajahan, A., Muhammad Ilyas, M.H. and **Aslam, A** (Eds). Proceedings of the Regional seminar on Recent trends in Biotechnology and its role in utilization of Biodiversity. PG & Research Department of Botany, Jamal Mohamed College and University Grants Commission, New Delhi.
- Binu, V., **Aslam, A.**, Mohamed Rafi., K. and Shajahan, A. (2007). *In vitro* propagation of date palm (*Phoenix dactylifera* L.) through shoot tip culture technique. In(Eds: Shajahan, A., Muhammad Ilyas, M.H. and **Aslam, A**). Proceedings of the Regional seminar on Recent trends in Biotechnology and its role in utilization of Biodiversity. PG & Research Department of Botany, Jamal Mohamed College and University Grants Commission, New Delhi.

Popular writings

- **Aslam, A.** and Dhanasekaran, M. (2000). *Preliminary report on flora of Thirupparangundram hill*, Diary of Natural Awareness, Vol:1 No:1. p:11
- **Aslam, A.**, Dhanasekaran, M. and Kumar, S. J. (2000). *Temple trees of temple city*, Diary of Natural Awareness, pp 6-7; Vol:1 No:2.

Skills in teaching

- Usage of Microsoft PowerPoint, Flash presentation softwares for teaching classical and modern topics.
- Imaginative model and working model making for concepts and experiments. Free-hand drawing in black board and overhead projector sheets & Belief in versatile delivery of lessons.
- **Interested in developing student –centered innovative education methodologies** to educate rural kids about Conservation biology and Natural resource management.

Oral / Poster presentations

- **Primer designing for PCR and sequencing**. Core internal faculty lecture at DBT, Government of India sponsored short term hands-on training course on basic techniques in plant molecular biology for college teachers, organized by Plant Molecular Biology lab, P.G and Research Department of Botany, Jamal Mohamed College (*Autonomous*), Tiruchirappalli, Tamil Nadu.
- **Global Warming**. Invited Lecture in the Citizenship Camp for B.Ed Students, held at K.N.G College of Education, Dindigul, Tamilnadu, India, on 04-03-2010.
- **From ‘Plant Growth Promotion’ to ‘Plant Growth Regulation’: Lesson from catalytic domain of CKX gene**. In XXXII All India Botanical Conference and International symposium on “Diversity of Plant and Microbes: Present Scenario” held at Dept of PG studies and Research in Applied Botany, Kuvempu University, Shankaraghatta, Shimoga, from 28-12-2009 to 30-12-2009.
- **Callus initiation from embryonal explants of *Phoenix dactylifera* L.** National conference on plant *in vitro* biology.

- ***PFT trait measurements in two selected medicinal plants.*** In Discussion workshop on Herbaceous taxa in South India: Ecology, Distribution and applications in palaeovegetation studies. French Institute of Pondicherry, from 30-11-2006 to 01-12-2006.
- ***Coastal ecosystems and post-tsunami scenario.*** In Winter Term 2006 – India, Pondicherry, International workshop for Wisconsin University students organized by The American College, Madurai from 05-01-2006 to 06-01-2006.
- ***Ecophysiological traits of micropropagated Stevia rebaudiana as an intercrop in plantain farms.*** In national level conference in Department of Environmental management, Bharathidasan University from 16-02-2006 to 17-02-2006 - co organized by UGC, Earthwatch Institute, UK.
- ***GIS based community decision support system for Malaiyur village, Didigul district.*** In national level conference in Department of Environmental management, Bharathidasan University from 16-02-2006 to 17-02-2006 - co organized by UGC, Earthwatch Institute, UK.
- ***Poster on Reconstruction of late Holocene Northeast Monsoon from pollen analysis of sections in a rain-fed irrigation reservoir, Tamilnadu, India.*** In PAGES Second Open Science Meeting, Beijing, China from 10-08-2005 to 12-08-2005. Poster was presented by Dr. Anupama Krishnamurthy, French Institute.
- ***Patterns in Beta diversity of epiphytic orchids*** in students' seminar on Biodiversity on 16th October 2001 – Organized by Department of Zoology, Thiagarajar College, Madurai.
- ***Recent trends in tropical ecosystem study*** in Postgraduate colloquium on 15th November 2001 – Organized by P.G and Research Dept of Botany, The American college, Madurai.
- ***Perspectives in conservation biology*** in Rendezvous of Plant Scientists at Kadambavanam (ROPAK), on 25th February 2001 – Organized by Dept. of Botany, The American College, Madurai.
- ***Poster on Community decision support system for sustainable use of Biodiversity at landscape level*** in XII Annual conference of Indian Association for Angiosperm Taxonomy & National seminar on plant taxonomy in National development. 26&27th September 2002 – Organized by Department of Botany, Goa University, Goa.
- ***Poster on Qualitative Beta diversity – an effective tool for rapid assessment of epiphytic orchid diversity*** in XII Annual conference of Indian Association for Angiosperm Taxonomy & National seminar on plant taxonomy in National development. 26&27th September 2002 – Organized by Department of Botany, Goa University, Goa.
- ***Guest lecture on Amphibious life forms*** in Young Student Scientist Programme 2003, The American College.

Workshops / Training programs / Conferences

- ***Refresher Course in Life Sciences,*** UGC Academic Staff College, University of Madras, Chennai. From 12-11-2014 to 02-12-2014.
- ***Refresher Course in Botany,*** UGC Academic Staff College, North Eastern Hills University, Shillong, Meghalaya. From 23-08-2011 to 12-09-2011.
- ***Orientation Course for College and University teachers,*** UGC Academic Staff College, Bharathidasan University, Tiruchirappalli. From 03-11-2009 to 30-11-2009.
- ***Molecular Methods in Bioresources Conservation for Sustainable Development.*** A DBT, Govt of India sponsored short term training course conducted by The Rapinat Herbarium and Centre for Molecular Systematics, St Joseph's College, Tiruchirappalli. From 12-11-2008 to 25-11-2008.
- ***RNAi mediated inhibition of cytokinin oxidase gene in Potato Solanum tuberosum.*** A summer training programme at Rajiv Gandhi Center for Biotechnology, under the auspices of INSA-IASc-NASI summer fellowship 2007.
- ***Recent Advances in HPLC techniques.*** A technical workshop organized by Centre for Academic Excellence, Anna University, Tiruchirappalli. From 29-03-2006 to 30-03-2006.
- ***Recent trends in Biotechnology and its Role in utilization of Biodiversity.*** A two day UGC sponsored Regional Seminar, Organized by PG & Research Dept. Botany, Jamal Mohamed College, Trichy from 05-03-2006 to 06-03-2006.

- **Workshop on Curriculum development and evaluation.** A three day workshop in Jamal Mohamed College from 02-03-2006 to 04-03-2006 - Sponsored by UGC, Tamilnadu State Council for Higher Education and Academic Staff College, Bharathidasan University.
- **Winter term 2006 – India: Environmental Concerns and conflicts.** An international workshop in Pondicherry for students from Oberlin College, USA and The American College, Madurai, India from 05-01-2006 to 06-01-2006 – organized by The American College, Madurai. Delivered a lecture as resource person.
- **National conference on Environment and sustainable development.** A national level conference in Department of Environmental management, Bharathidasan University from 16-02-2006 to 17-02-2006 - co organized by UGC, Earthwatch Institute, UK. Orally presented two papers.
- **Indian monsoon and climate variability during Holocene.** An international PAGES workshop from 17-05-2004 to 18-05-2004 – Organized by Geological Society of India, Bangalore.
- **Mirrored views on Healing systems in India: Merging policies, politics and practices.** An International workshop from 19-04-2004 to 20-04-2004 – Organized by French Institute of Pondicherry, Pondicherry.
- **Late Quaternary Environmental change – Emerging issues.** An international PAGES workshop and training program on global change from 10-02-2003 to 15-02-2003 – Organized by French Institute of Pondicherry, Pondicherry.
- **XII Annual conference of Indian Association for Angiosperm Taxonomy & National seminar on plant taxonomy in National development.** 26&27th September 2002 – Organized by Department of Botany, Goa University, Goa.
- **International conference on Tropical ecosystems: Structure, Diversity and Human welfare** from 15th to 18th July 2001 - Organized by ATREE, Bangalore and Association for Tropical Biology (ATB), U.S.A.
- **Contact program in conservation biology,** from 02-01-2001 to 16-01-2001 – conducted by Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore – Sponsored by DST, Govt. of India.
- **Workshop on Biostatistics and Remote sensing,** from 04-05-2001 to 10-05-2001 – Organized by Center for Ecological Sciences, IISc, Bangalore and Dept. of Statistics, University of Pune.

Social interaction

- Participated in the *workshop on Leadership Qualities* (on 2nd October 2000) conducted by Centre for Experiencing Socio Cultural Interaction, Kadavur, Madurai.
- Worked as *supporting member* to 'Vizhudugal' - a service organization 100% managed by students of Madurai-colleges.
- *Visiting volunteer* in 'AKAASH' – Residential school for mentally retarded children.
- Participated in National service scheme programmes in Madura College from 1997 to 2000 and served as *section Leader* for two years
- Participated in ten days special camps (**four times including one Inter collegiate camp**) with the theme "youth for Integration and Harmony" conducted in villages in and around Madurai.
- Participated as a **student leader** for the team representing Tamil Nadu in **National Integration Camp** (29 July to 31 July 1999) conducted by Maghadh University, Bodh Gaya, Bihar. The team was announced as the best in a mass tree plantation campaign.
- Participated in Anti -Tuberculosis health education campaign (18th March to 30th March 1999) in Palamedu cluster of villages in which, directed the street play- team of The Madura college NSS. The programme was sponsored by 'Kuringi vattara kalangium' (- a network of Self-Help Groups in the area) in association with Indian Council for Medical Research, Govt Hospital, Madurai.
- Participated in Three days Peer Educator workshop (2nd Feb to 4th Feb 1998) on HIV/AIDS and Health education. As a follow up, worked as a Peer Educator in successive years in the activities of NSS.
- Participated in competitions (like Oration, Literary writing, Drawing, Quiz etc.) for students and won a few prizes.
- Organized press meets in the American college.

Personal details

Father : (Late) Mr. B. Abubakker – Retired Head clerk, Al-Ameen Hr.Sec.School, Madurai.
Mother : Mrs. Hajee. S. Mumtaz Begum – Retired Teacher, Govt. Hr. Sec. School, Otthakadai.
Religion : Muslim
Age : Thirty three (35) years (3rd June 1979)
Place of Birth : Madurai, TamilNadu, India.
Languages known : Tamil (S/W), English (S/W), Urdu (S), Hindi (S/W)
Gender : Male
Nationality : Indian.
Marital status : Married.
Present Address : Plot # 52A, TVK Salai, Seshasayee Nagar, KK Nagar, Tiruchirappalli – 620021.
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References:

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Declaration

I hereby declare that all the information given above is true and factual.

Signature

(ASLAM. A)