

Curriculum Vitae



Dr. D. ARULBALACHANDRAN
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Department of Botany
Periyar University
Periyar Palkalai Nagar
Salem – 636 011
Tamil Nadu, India.

Education

2006 - Ph.D. in Botany (Crop Mutation Breeding) – Annamalai University, India.

2002 - M.Phil. in Botany - Plant Cytogenetics - Annamalai University, India.

2001- M.Sc. in Botany - Annamalai University, India.

1999 - B.Sc. in Botany- University of Madras, India.

Thesis Title of Ph.D.: **Physical and Chemical Mutagenesis in Black gram**
(*Vigna mungo L. Hepper*) Var. VBN-1

Professional Research Experience

Duration	Institution	Particulars
2003- 2006	Department of Botany Annamalai University Annamalai Nagar Tamil Nadu	Ph.D. Research Scholar
2001-2002	Department of Botany Annamalai University Annamalai Nagar Tamil Nadu	M.Phil. Research Scholar

Details of employment

Duration	Institution	Particulars
Aug-2013- Till date	Department of Botany Periyar University Periyar Palkalai Nagar Salem -636 011, Tamil Nadu.	<i>Assistant Professor</i>
Sep-2011 to Apr-2013	Department of Botany Periyar University Periyar Palkalai Nagar Salem -636 011, Tamil Nadu.	<i>Guest Lecturer</i>
Nov-2006 to Mar- 2011	Arignar Anna Govt. Arts College (Affiliated by Thiruvalluvar Univ.) Villupuram Tamil Nadu.	<i>Guest Lecturer</i>

Ph.D. Guiding under my supervision

S. No.	Name of the Candidates	Regular/Part Time	University
1	Yasmin K	Regular (Under - DST- INSPIRE Programme , New Delhi 2014- 2017)	Department of Botany Periyar University Periyar Palkalai Nagar Salem -636 011 Tamil Nadu.
2	Jothimani K	Regular (Under - University Research Fellowship – URF)	Department of Botany Periyar University Periyar Palkalai Nagar Salem -636 011 Tamil Nadu.

M.Phil. Guiding under my supervision

S. No.	Name of the Candidates	Regular/Part Time	University
1	Elizabeth S.	Regular	Periyar University
2	Janakiraman M	Regular	Periyar University
3.	Jayasankar K.	Regular	Periyar University

Research Projects

S. No.	Project Title	Funding Agency	Period	Amount (Rs.)
1	Lead induced chromosomal aberrations in Black gram (<i>Vigna mungo</i> L. Hepper)	UGC – Start Up Grant	2014-2016	600000/-

Board of Member

University Nominee for Under Graduate in Botany – Sri Math Andavan Collge, Trichy (Bharadhidasan University) - 2014-2016

Resource Person

S. No.	Invited Talk	College/ University	Title of the Talk
1.	UGC Refresher Course - 2012	Bharathiar University, Coimbatore, TN	Chromosomal aberrations
2.	National Seminar on <i>Biodiversity Conservation and Sustainable Utilization</i> - 2014	Periyar Arts College, Cuddalore, (Thiruvalluvar University, Vellore, TN)	Biodiversity, Threatening and Conservation

Research Interest

- Cytogenetics
- Phylogenetic analysis
- Genetic diversity
- Mutation analysis
- Biochemistry of Protein
- Sequence of proteins
- Chlorophyll chemistry
- Chromosomal aberrations
- Gene expression in crops
- Crop Breeding
- Molecular Genetics

Techniques Expertise

- Chromosome staining techniques (Root tip squash-Mitosis and smear-Meiosis)
- Microscopy (Student and Light microscopy)
- Chromosome analysis, photographing and interpretation
- Mutation analysis (base analogous changes)
- Breeding methodology (Mutation techniques)
- DNA isolation
- Genetic diversity (Molecular marker)
- Chlorophyll estimation
- Protein and amino acid estimation
- Enzymatic estimation

- Electrophoresis – Agarose and SDS- PAGE
- PCR (Random Amplified polymorphic DNA (**RAPD**) and Random Fragment Length Polymorphism (**RFLP**) techniques)

Software analysis

- ❖ Agristat
- ❖ Indostat (Agri)
- ❖ Total Lab (Molecular Analysis)

Professional training experience

1. Student project guided for 8 post graduate students – NaCl salinity stress on legume crops -2009 and 2013.
2. Three days workshop on “Modern Tools in Marine Biotechnology” organized by CAS in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu, India from 17th to 19th November 2005.
3. Two days workshop on “Developing a Model Syllabus for Improving Writing Skills of Researchers across Disciplines”. Department of English, Annamalai University, Annamalainagar Tamil Nadu, India from March 15th and 16th – March- 2005.
4. Two-day workshop on ”Software Development in Statistical Applications” by Department of Statistics, Annamalai University, Annamalainagar, Tamil Nadu, 13th and 12th Mar-2005
5. Two-day Summer Training Programme on PCR Technique organized by CAS in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu, India from 23rd to 24th July 2004.
6. One-day workshop on “Research Methodology”, organized by Department of Economics, Annamalai University, Annamalainagar Tamil Nadu, India, 28th March- 2002.

Research Articles Published in International Journals (Peer Reviewed)

1. **Arulbalachandran D.**, L. Mullainathan, S. Karthigayan and S.T. Somasundaram (2014). Mutation changes in DNA on four mutants of Black gram (*Vigna mungo* (L.) Hepper) by RAPD marker. **Molecular Biotechnology. (Under Review).**
2. **Arulbalachandran D.**, L. Mullainathan and S. Velu (2014). Dwarf and semi dwarf mutants of black gram induced by EMS and their possible use in breeding. **Journal of Crop Science and Biotechnology (Under Review).**
3. Prabhash T., S. Alagendran, **D. Arulbalachandran** and A. Anthonisamy (2014). Assessment of Bioactive compound in Zanthoxylum rhetsa (Roxb) - A rare medicinal herb. **Int. J. Cur. Tr. Res.** 3 (2):7-83
4. **Arulbalachandran D.**, J. Verapandian, S. Alagendran and P. Thangavel (2012). Biochemical and antioxidant enzyme alteration in three Vigna species induced by NaCl stress. **Int. J. Cur. Tr. Res.** 1 (1): 31-39
5. Velu, S., L. Mullainathan and **D. Arulbalachandran** (2012). Induced morphological variations in cluster bean (*Cyamopsis tetragonoloba* (L.) Taub). *Int. J. Cur. Tr. Res* (2012) 1 (1): 48-53.
6. **Arulbalachandran D.**, L. Mullainathan, S. Karthigayan, S.T. Somasundaram and S. Velu (2010). Genetic Variation in Mutants of Black gram (*Vigna mungo* (L.) Hepper) Evaluated by RAPD markers. **Journal of Crop Science and Biotechnology. 13 (1): 1-6. Springer.** DOI No. 10.1007/s2892-009-0132-6.
7. **Arulbalachandran D.**, L. Mullainathan, S. Velu and C. Thilagavathi (2010). Genetic variability, heritability and genetic advance of quantitative traits in black gram by effects of mutation in field trial. **African Journal of Biotechnology.** 9 (19): 2731-2735. www.academicjournals.org/AJB.
8. **Arulbalachandran D.**, L. Mullainathan, S. Karthigayan, S.T. Somasundaram and S. Velu (2009). Evaluation of genetic variation in mutants of Black

gram (*Vigna mungo* (L.) Hepper) as revealed by RAPD markers. **Emirate Journal of Food and Agriculture**. 21 (2): 42-50
<http://cfa.uaeu.ac.ae/ejfa.shtml>

9. **Arulbalachandran D.**, L. Mullainathan, S. Velu (2009). Genetic variation in quantitative traits of black gram (*Vigna mungo* (L.) Hepper) induced by gamma rays treatment in M₃ generation. **Journal of Phytology**. 1(5): 308–312.
10. **Arulbalachandran D** and L. Mullainathan (2009). Quantitative variability, heritability and genetic advance in black gram by effect of mutation in field trail. **Journal of Phytology**. 1(1): 01–06.
11. Dhanam S and **D. Arulbalachandran** (2009). Effect of TANFAC effluent on 6 varietal response of black gram (*Vigna mungo* L. Hepper). **Journal of Phytology**. 1(3): 136–141. www.journal-phytology.com
12. Dhanam S and **D. Arulbalachandran** (2009). Effect of briquetting and carbonisation plant effluent on seed germination of five varieties of groundnut (*Arachis hypogaea* L.) **Journal of Phytology**. 1(3): 153–157. www.journal-phytology.com
13. Dhanam S and **D. Arulbalachandran** (2009). Changes in growth and biochemical parameters of groundnut (*Arachis hypogaea* L.) influenced by Tanfac effluent. **Journal of Phytology**. 1(3): 164–168. www.journal-phytology.com
14. Dhanam S and **D. Arulbalachandran** (2009). Effect of briquetting and carbonization plant effluent on morphological, biochemical and mineral content of groundnut (*Arachis hypogaea* L.). **Journal of Phytology**. 1(4): 255–259. www.journal-phytology.com
15. **Arulbalachandran D.**, L. Mullainathan, S. Velu (2009). Screening of mutants in black gram (*Vigna mungo* (L.) Hepper) with effect of DES and COH in M₂ generation. **Journal of Phytology**. 1(4): 213–218. www.journal-phytology.com

16. **Arulbalachandran D** and L. Mullainathan (2009). Changes on quantitative traits of black gram (*Vigna mungo* (L.) Hepper) induced by EMS in M₂ generation. **Journal of Phytology**. 1(4): 230–235. www.journal-phytology.com
17. **Arulbalachandran D** and L. Mullainathan (2009). Chlorophyll and morphological mutants of black gram (*Vigna mungo* (L.) Hepper) derived by gamma rays and EMS. **Journal of Phytology**. 1(4): 236–241. www.journal-phytology.com
18. **Arulbalachandran D.**, L. Mullainathan (2009). Changes on protein and methionine content of black gram (*Vigna mungo* (L.) Hepper) induced by gamma rays and EMS. **American-Eurasian Journal of Scientific Research**. 4 (2): 68-72.
19. **Arulbalachandran D.**, K. Sankar Ganesh and A. Subramani (2009). Changes in Metabolites and antioxidant enzyme activity of three *Vigna* species induced by NaCl stress. **American-Eurasian Journal of Agronomy**. 2 (2): 109-116.

Papers Published in Refereed National Journals

21. Velu S., L. Mullainathan, **D. Arulbalachandran**, D. Dhanavel and T. Ramesh (2008). Studie on effect of chemical mutagenesis in cluster bean (*Cyamopsis tetragonaloba* (L.) Taub). **Journal of Plant Archives**. 8 (1): 265-266.
www.niscair.res.in/ScienceCommunication/AbstractingJournal.
22. Velu S., L. Mullainathan, **D. Arulbalachandran**, D. Dhanavel and R. Poongkuzhali (2008). Effectiveness and efficiency of sodium azide and dethyl sulphate on cluster bean (*Cyamopsis tetragonaloba* (L.) Taub). **Journal of Plant Archieves**. 8 (1): 259-260.
www.niscair.res.in/ScienceCommunication/AbstractingJournal.
22. Velu S., L. Mullainathan., **D. Arulbalachandran**, T. Ramesh and R. Poongkuzhali (2008). Frequency and spectrum of morphological mutants

- in M₂ generation of cluster bean (*Cyamopsis tetragonoloba* (L.) Taub). **International Journal of Plant Sciences**. 3 (1): 22-25.
(www.niscair.res.in/ScienceCommunication/AbstractingJournal)
23. Velu S., L. Mullainathan, **D. Arulbalachandran**, R. Poongkuzhali, D. Dhanavel (2008). Spectrum of morphological mutation and effectiveness and efficiency of physical and chemical mutagens in green gram. **International Journal of Plant Sciences**. 3 (1): 1-4.
24. Velu S., L. Mullainathan, **D. Arulbalachandran**, and D. Dhanavel (2007). Effect of physical and chemical mutagens in cluster bean (*Cyamopsis tetragonoloba* (L.) Taub). In M₁ generation. **Crop Research**. 34 (3): 252-254. <http://www.cropresearch.org/>.
25. Velu S., L. Mullainathan, **D. Arulbalachandran**, D. Dhanavel and R. Poongkuzhali (2007). Effectiveness and efficiency of gamma rays and EMS on cluster bean (*Cyamopsis tetragonoloba* (L.) Taub). **Crop Research**. 34 (3): 249-251. <http://www.cropresearch.org/>
26. **Arulbalachandran D.**, L. Mullainathan, and S. Velu (2007). Variation of chlorophyll contents in Black gram (*Vigna mungo* (L) Hepper) influenced by Gamma rays and EMS. **Journal of Plant Archives**. 7 (1): 233-235.
(www.niscair.res.in/ScienceCommunication/AbstractingJournal)
27. Mullainathan L., G.M. Alagulakshmanan and **D. Arulbalachandran** (2007). Phytoremediation metallophytes an effective tool to remove soil toxic metal. **Journal of Plant Archives**. 7 (1): 19-23.
(<http://www.niscair.res.in/ScienceCommunication/AbstractingJournal>)
28. Mullainathan L and **D. Arulbalachandran** (2004). Karyomorphological studies on some succulent plants. **Journal of Plant Archives**. 4 (2): 407-411.
29. **Arulbalachandran D.**, P. Rajasekar and L. Mullainathan (2004). Antidiabetic properties of Fenugreek and Bitter gourd. **Journal of Plant Archives**. 4 (2): 235-239.

27. Mullainathan L., S. Velu and **D. Arulbalachandran** (2004) Karyomorphological studies in five species of Crinum from Tamilnadu. **Journal of Annamalai University.** (Section- Science). 141-146.
28. **Arulbalachandran D.**, L. Mullainathan and G.M. Alagu Lakshmanan (2004). Cytological studies on some members of Nyctaginaceae collected from Tamilnadu. **Journal of Annamalai University.**, (Section- Science). 117- 121.

List of Papers/Abstracts Presented in National Conferences

1. **Arulbalachandran D. National Workshop** on Green Initiatives in Energy and Environment, Organized by Department of Environmental Science, Periyar university, Periyar Palkalai Nagar, Tamil Nadu, India, Salem-11.September -11th -2014.
2. **Arulbalachandran D. International Seminar** on Nanobiotechnology in Cancer Research, Organized by Department of Biotechnology , Periyar university, Periyar Palkalai Nagar, Tamil Nadu, India, Salem-11.July 21st -2014.
3. **Arulbalachandran D. National Seminar** on Innovative approaches on Plant Science, Organized by Department of Botany , Periyar university, Periyar Palkalai Nagar, Tamil Nadu, India, Salem-11.February 14th - 2014.
4. **Arulbalachandran D. Acted as chair person in National level Seminar** on Current trends in biodiversity Conservation and Forest Management, Organized by Center for Biodiversity and Forest studies, Periyar university, Periyar Palkalai Nagar, Tamil Nadu, India, Salem-11.January-6& 7th -2014.
5. **Arulbalachandran D. National Workshop** on Fluorescent Microscopy, Organized by Department of Zoology, Periyar university, Periyar Palkalai Nagar, Tamil Nadu, India, Salem-11.October 10th -2013.
6. **Arulbalachandran D. National Conference** on Emerging trends in herbal medicinal plants and local healthcare, Organized by Department of Botany, Arignar Anna Government Arts College,Villupuram-605602.January 27th -2011.

7. **Arulbalachandran D., J. Veerapandiyan, T. Neudmaran and S. Dhanam. National seminar on** Elnino-its impact on climate changes and loss of biodiversity. Impact on NaCl on growth, carbohydrate and antioxidant metabolism of green gram, Organised by Department of Botany, Arignar Anna Govt. Arts College, Villupuram, TN, India. March-4th &5th -2011.
8. **Velu S., L. Mullainathan and D. Arulbalachandran.** Cytogenetic effect of gamma rays and ethyl methane sulphonate on clusterbean (*Cyamomsis tetragonaloba*). Impact on NaCl on growth, carbohydrate and antioxidant metabolism of green gram, Organised by Department of Botany, Arignar Anna Govt. Arts College, Villupuram, TN, India. March-4th &5th -2011.
9. **Arulbalachandran D.,** L. Mullainathan and S. Velu and C. Thilagavathi. **National Seminar** on Climate Change and Environmental Challenges. Effect of gamma rays on chlorophyll content in M₂ generation of black gram (*Vigna mungo* L. Hepper) var VBN-1. Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8th 2009.
10. **Arulbalachandran D.,** L. Mullainathan and S. Velu and C. Thilagavathi. **National Seminar** on Climate Change and Environmental Challenges. Inhibitory effect of gamma rays on seedling height in M₁ generation of (*Vigna mungo* L. Hepper) var VBN-2. Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8th 2009.
11. **Arulbalachandran D.,** L. Mullainathan and S. Velu and C. Thilagavathi. **National Seminar** on Climate Change and Environmental Challenges. Induced macromutants of black gram (*Vigna mungo* L. Hepper) by gamma rays. Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8th 2009.
12. Thilagavathi C., L. Mullainathan, D. Dhanavel and **Arulbalachandran D., National Seminar** on Climate Change and Environmental Challenges. Studies on induced chlorophyll and viable mutants in black gram (*Vigna mungo* L. Hepper). Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8th 2009.
13. **Arulbalachandran D.,** L. Mullainathan and S. Velu and C. Thilagavathi. **National Seminar** on Climate Change and Environmental Challenges. Effect of EMS on chlorophyll content in M₂ generation of black gram

(*Vigna mungo* L. Hepper) var VBN-1. Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8Th 2009.

14. Velu S., L. Mullainathan, **D. Arulbalachandran** and C. Thilagavathi. **National Seminar** on Climate Change and Environmental Challenges. Induced morphological variation in clusterbean *Cyamopsis tetragonoloba* L. Taub. Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8Th 2009.
15. Velu S., L. Mullainathan, **D. Arulbalachandran** and C. Thilagavathi. **National Seminar** on Climate Change and Environmental Challenges. Effect of chemical mutagens in cluster bean *Cyamopsis tetragonoloba* L. Taub. Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8Th 2009.
16. Mullainathan L., C. Thilagavathi, D. Dhanavel, **D. Arulbalachandran**, and A. Sridevi. **National Seminar** on Climate Change and Environmental Challenges. Genetic variability of green gram (*Vigna radiata* L. Wilczek) in M2 generation. Organized by Departemnt of Botany (Sponsored by UGC, CSIR & DST, New Delhi), Annamalai University, Annamalainagar, Tamil Nadu, India. **Mar-** 7th & 8Th 2009.
17. **Arulbalachandran D.**, G. Sivapriya, J. Veerapandiyan, K. Sankar Ganesh A. Subramani and S.Velu. **National seminar on Recent Trends in bioethics. Growth and relative water content of black gram under NaCl stress. Organized by P.G. Department of Botany, HH. Raja's Collge, Pudukottain, TN, India Sep. 18, 2009.**
18. **Arulbalachandran D.**, L. Mullainathan and S. Velu. **National seminar** on Recent Trends in bioethics. Screening of mutants of black gram induced by gamma rays and EMS. Organized by P.G. Department of Botany, HH. Raja's Collge, Pudukottain, TN, India **Sep. 18, 2009.**
19. **Arulbalachandran D., L. Mullainathan and S. Velu. National seminar** on Recent Trends in bioethics. Effect of mutagen on seedling growth of black gram (*Vigna mungo* L. Hepper) in M₁ generation. Organized by P.G. Department of Botany, HH. Raja's Collge, Pudukottai, TN, India **Sep. 18, 2009.**
20. **Arulbalachandran D.**, L. Mullainathan, S. Velu, D. Dhanavel, and P. Pavadai **National symposium** on "Scientists oration on researches and techniques in biotechnology "Induced mutations on quantitative traits in

M₂ generation of Black gram (*Vigna mungo* L. Hepper). Organized by Department of Biotechnology and Bioinformatics. Vivekananda College of Arts and Science for Women, Tamilnadu, India. 11 and 12th –Feb-2006.

21. Velu S., L. Mullainathan, **D. Arulbalachandran**, D. Dhanavel, and P. Pavadai. **National symposium** on “Scientists oration on researches and techniques in biotechnology “Impaction of gamma rays on clusterbean (*Cyamopsis tetragonaloba* L. Taub). Organized by Department of Biotechnology and Bioinformatics, Vivekananda College of Arts and Science for Women, Tamil Nadu, India. 11 and 12th –Feb-2006.
22. Dhanavel D., N. Jagajanantham, P. Pavadai, L. Mullainathan, D. **Arulbalachandran** and S. Velu. **National Seminar** on Human Perspectives of Biotechnology. EMS, dES and SA induced effectiveness and efficiency in cowpea (*Vinga unguiculata* (L.) Walp). Organized by School Biosciences, Mahendra Arts and Science College, Tamil Nadu, India. 11 and 12th –Feb-2006.
23. Velu S., L. Mullainathan, **D. Arulbalachandran**, D. Dhanavel, AL. A. Chidambaram and P. Pavadai. **National Seminar** on Human Perspectives of Biotechnology. Effect of chemical mutagen in cluster bean (*Cyamopsis tetragonaloba* (L.) Taub). Organized by School Biosciences, Mahendra Arts and Science College, Tamil Nadu, India. 11 and 12th – Feb-2006.
24. Dhanavel D., P. Pavadai, L. Mullainathan, Al. A. Chidambaram, D. **Arulbalachandran** and S. Velu. **National Seminar** on Human Perspectives of Biotechnology. Effects EMS, dES and SA on quantitative traits of cowpea (*Vinga unguiculata* L Walp). Organized by School Biosciences, Mahendra Arts and Science College, Tamil Nadu, India. 11 and 12th –Feb-2006.
25. Velu S., V. Jayamala, L. Mullainathan and **D. Arulbalachandran**. **National Seminar** on Present Scenario in Plant Sciences Research. Growth retardation of mung bean (*Vigna radiata* (L.) Wilczek) by chemical mutagens. Organized by Department of Botany, Annamalai University, Annamalainagar, Tamil Nadu, India. **Feb-19** and 20, 2005, 25.
26. **Arulbalachandran D.**, L. Mullainathan and P. Pavadai. **National Seminar** on Present Scenario in Plant Sciences Research. Inhibitory effect of mutagens in seedling growth on black gram (*Vigna mungo* (L.) Hepper). Organized by Department of Botany, Annamalai University, Annamalainagar, Tamil Nadu, India. **Feb-19** and 20, 2005, 44.

27. Mullainathan D., V. Jayamala, **D. Arulbalachandran** and S. Velu. **National Seminar** on Present Scenario in Plant Sciences Research. Mutant spectrum of Green gram (*Vigna radiata* (L.) Wilczek) by EMS and dES. Organized by Department of Botany, Annamalai University, Annamalainagar, Tamil Nadu, India. **Feb-19** and 20, 2005, 44.
28. **Arulbalachandran D.**, L. Mullainathan and R. Poongkuzhali. **National Seminar** on Present Scenario in Plant Sciences Research. Impact of Gamma rays on protein content of black gram (*Vigna mungo* (L.) Hepper). Organized by Department of Botany, Annamalai University, Annamalainagar, Tamil Nadu, India. Feb-19 and 20, 2005, 45.
29. **Arulbalachandran D.** **National seminar** on Emerging trends in Plant Sciences. Cytological studies in some members of Nyctaginaceae in Tamil Nadu, Organized by Department of Botany, Annamalai University, Annamalainagar, Tamil Nadu, India. **March-15** and 16, 2003.

Conference Participated

1. **Arulbalachandran D.** *National Seminar* on Effect of Tsunami on Coastal Ecosystem. CAS Marine Biology, Annamalai University, Tamil Nadu, India. April – 10th - 2005.
2. **Arulbalchandran D.**, The Indian Science Congress Association. Organized by Annamalai University, Annamalainagar, Chidambaram Tn, India. January 3-7th -2007.

Conference Organized

National Seminar on “Emerging Trends in Plant Science” (ETPS -2012) Organizing Secretary) Dept. of Botany, Periyar University, Salem, TN. 30th – January - 2012.

Oral Presented Paper in International Conferences

1. **Arulbalachandran D.**, L. Mullainathan, S. Karthigayan, S.T. Somasundaram and S. Velu. **International conference** on Biotechnology, Food and Bioengineering Emerging Trends and Future Prospectus. RAPD fingerprinting in mutants of black gram (*Vigna mungo* L.) induced by gamma rays and EMS. Organized by Prist University and Indian Institute of Crop Processing Technology (Ministry of Food Processing Industries, Govt. of India) Thanjavur, TN, India. Feb- 25th and 26th 2010.

Books/ Chapters/ Proceedings

- 1. Arulbalachandran D. Ecology- Pollution and Biodiversity. India,** Seethai Pathipagam, Jan-2008, ISBN: 978-91-907239-8-5.
- 2. Arulbalachandran D. Mutation Breeding In crop Plants. India,** Saratha Pathipagam, Jan-2008, ISBN: 978-81-907650-0-8.
- 3. Nedumaran T., D. Arulbalachandran.** Seaweeds - a Promising Source for sustainable Development. Edited by P.Thangavel and G. Sridevi. Environmental Sustainability- Role of Green Technologies in Press (2015). 339 p. 46.

Life member

Indian Science Congress

Membership in Professional Societies

Editorial Board – International Journal of Current Trends in Research

Editorial Reviewer – African Journal of Biotechnology