

CURRICULUM VITAE

NAME : AFTAB AHMAD SHABNAM

DATE OF BIRTH : 1st April 1973

ADDRESS FOR CORRESPONDENCE : Dr. Aftab Ahmad Shabnam
R/O.: Rajpora,
Dist.: Pulwama, Kashmir.
PIN - 192 306.
J&K, India.
Tel: +91-9797111974/
+91-1933-278247.
E-mail: aftab73@yahoo.com/
aftab2006@gmail.com



NATIONALITY : Indian

SEX : Male

STATE OF DOMICILE : Jammu and Kashmir

PARTICULARS OF EDUCATIONAL QUALIFICATION:

Examination Passed	Board/University	Year of passing	Division / Class
Ph.D. (Botany)	University of Mumbai	2007	*
M.Sc. Botany (Cytogenetics and Mol. Biology)	University of Mumbai	1998	1 st
B. Sc.	Kashmir University	1996	2 nd
H.S.C. (12 th)	Jammu and Kashmir state Board	1991	1 st
S.S.C. (10 th)	Jammu and Kashmir state Board	1988	1 st

*Title of the thesis “Mutational studies in *Guizotia abyssinica*”.

RESEARCH & WORK EXPERIENCE:

- ❖ Worked as a **Junior Research Fellow (JRF)** from **April 2001 to March 2004** under the Department of Atomic Energy and Board of Research for Nuclear Science (**DAE-BRNS**) sponsored project entitled “**Development of high yielding genotypes with improved oil quality in niger (*Guizotia abyssinica* Cass.)**”. Project completed successfully.
- ❖ Worked as lecturer of Botany on contractual basis at Degree College (Sri Pratap college, Srinagar, J & K, India) from **22nd June 1998 to 05th August 1999** with usual breaks.
- ❖ Worked as Agricultural Expert with ‘Technogreen Environmental Solutions’, Pune, Maharashtra, India from **15th April 2004 to 3rd May 2007**.
- ❖ Worked as Lecturer of Botany on contractual basis at Govt. Degree College Pulwama, Jammu and Kashmir, India from **28th May 2007 to 31st December 2007**.
- ❖ Worked as Lecturer of Botany on contractual basis at Govt. Degree College Pulwama, Jammu and Kashmir, India from **1st April 2008 to 29th December 2008**.
- ❖ Worked as Scientist-B in Mulberry Breeding & Genetics at Central Sericulture Research & Training Institute, Central Silk Board Pampore, Kashmir, India from **29th December 2008 to 25th February 2014**.
- ❖ Working as Scientist-C in Mulberry Breeding & Genetics at Central Sericulture Research & Training Institute, Central Silk Board Pampore, Kashmir, India since **26th February 2014**.

PUBLICATIONS:

1. Gulab Khan Rohela, **Aftab Ahmad Shabnam**, Pawan Shukla, Ravindra, Mudasir Gani, and Anil Dhar (2017). Rapid one step protocol for the in vitro micropropagation of *Morus multicaulis* var. Goshorami, an elite temperate mulberry variety. *Indian journal of Agricultural Sciences* (Communicated).
2. Gulab Khan Rohela, **Aftab Ahmad Shabnam**, Pawan Shukla, and M. K. Ghosh (2017). In vitro clonal propagation of Ichinose (*Morus alba* L.); a temperate mulberry variety through nodal segments. *Indian journal of Experimental Biology* (Communicated).
3. Gulab Khan Rohela, **Aftab Ahmad Shabnam**, Pawan Shukla, Ravindra, Mudasir Gani, Srinivasulu, Y. and Sharma S.P. First report on *in vitro* clonal propagation of PPR-1, a superior temperate mulberry variety. *Indian Journal of Biotechnology*(**Under Review**) (**NAAS Rating: 6.29**; and **SCI indexed Journal**)
4. गुलाब खान रोहेला * ,पवन शुक्ला, आफताब अहमद शबनम एवं बाबूलाल . शीतोष्ण शहतूत उपजाति: चाइनीस व्हाइट (मोरस अल्बा एल.) का नोडल खंडो के माध्यम से कृत्रिम क्लोनल

प्रजनन. *Indian Journal of Sericulture* (**Accepted**). As the proceedings of One day Hindi National Seminar, Organized by CSR&TI, Behrampore on 20th Feb, 2017.

5. **Aftab A Shabnam**, M S Rathore, Anil Dhar, Y Srinivasulu, S SChauhan and S P Sharma (2016). Mulberry (*Morus spp.*) Diversity in Jammu and Kashmir. *Indian Horticulture Journal*; 6(1): 48-52, Jan-March (2016).
6. **Aftab A. Shabnam**, S.S. Chauhan, M.S. Rathore and S.P. Sharma (2016). . Improvement of Mulberry in North India: Prospects and Strategies. *Indian Horticulture Journal*; 6(Special): 123-126, August (2016).
7. Gulab Khan Rohela, Pawan Shukla, Ravindra, Mudasir Gani, **Aftab A. Shabnam**, Srinivasulu Y and Sharma S.P (2016). Somatic Hybridization as a potential tool for mulberry improvement –A Review. *Indian Horticulture Journal*; 6(Special): 46-49 (**NAAS Rating: 3.41**).
8. Pawan Shukla, Gulab Khan Rohela, **Aftab A. Shabnam**, S. P. Sharma (2016). Prospect of Cold Tolerant Genes and Its Utilization in Mulberry Improvement–A Review. *Indian Horticulture Journal*; 6(Special):127-129 (**NAAS Rating: 3.41**).
9. Asmat Jan, **Aftab A. Shabnum**, Mir Nisar Ahmad, R. Nandakumar and S. P. Sharma. (2016). Impact of Information and Communication Technology (ICT) on sericulture of Kashmir. *Indian Horticulture Journal*; 6(Special): 130-132, August 2016.
10. **Aftab A. Shabnam**, R.K. Fotadar and Anil Dhar (2013). Breeding for triploid mulberry varieties in temperate ecozones. *Research and Development in Indian Sericulture*. Edition 2013. ISBN-9787-93-82302-65-0
11. Srinivasulu, Y., Rathore, M.S., **Shabnam, A.A.**, Kour, R., Anil Dhar and Sahaf, K.A. (2013). Clonal seed production technology – alluring prospects for temperate mulberry genotypes. **Current Science**, **104 (6): 690-691**.
12. Irfan Illahi, **Aftab Shabnam**, V. Mittal and Anil Dhar (2012). Sooty mold of mulberry – First report from Kashmir. **Journal on New Biological Reports**, **1(2): 38-41**.
13. **Aftab A. Shabnam**, R.K. Fotadar, S. Baksh and M.A. Koul (2012). Evaluation technique for preliminary selection of F₁s under temperate conditions of Kashmir. **Research Journal of Agricultural Sciences**, **3 (6): 1303-1304**.
14. Jaimini D., **Aftab. A. Shabnam** and Sarkar C. (2012). In-Silico feasibility of novel biodegradation pathways for 1-Naphthyl Methylcarbamate. **American-Eurasian Journal of Toxicological Sciences**, **4(2): 89-93**.
15. **Aftab A. Shabnam**, R.K. Fotadar, Anil Dhar and A.H. Bhat (2012). A Comparative Analysis to Tropical And Temperate Genotypes And Behaviour of

Five Species of Mulberry Under Temperate Conditions of Kashmir. **Research Journal of Agricultural Sciences, 3 (1): 089-093.**

16. Fotadar, R.K., **Aftab A. Shabnam**, Anil Dhar and Khan, M.A. (2011). Bivoltine sericulture – A need based industry in Jammu and Kashmir. In Technical Compendium “Recent trends in Development of Bivoltine Sericulture in Jammu and Kashmir” held at Srinagar, Kashmir, Jammu and Kashmir on 29th October 2011. **Pp: 14-18.**
17. **Aftab A. Shabnam**, Fotadar, R.K., Anil Dhar and Khan, M.A. (2011). Strategies for improvement of mulberry in Jammu and Kashmir. In Technical Compendium “Recent trends in Development of Bivoltine Sericulture in Jammu and Kashmir” held at Srinagar, Kashmir, Jammu and Kashmir on 29th October 2011. **Pp: 19-24.**
18. **Aftab A. Shabnam**, Fotadar, R.K., Rathore, M.S., Srinivasulu, Y., Anil Dhar and Khan, M.A. (2011). Non conventional approaches for conservation of elite mulberry genotypes for sustaining bivoltine sericulture in J&K. In Technical Compendium “Recent trends in Development of Bivoltine Sericulture in Jammu and Kashmir” held at Srinagar, Kashmir, Jammu and Kashmir on 29th October 2011. **Pp. 29-33.**
19. Rathore, M.S., Srinivasulu, Y., Kour, R., **Aftab. A. Shabnam**, Anil Dhar and Khan, M. A. (2011). Sustaining bivoltine sericulture in J&K state by generating mulberry bank reserves. In Technical Compendium “Recent trends in Development of Bivoltine Sericulture in Jammu and Kashmir” held at Srinagar, Kashmir, Jammu and Kashmir on 29th October 2011. **Pp: 25-28.**
20. Jaimini D., Sarkar C., **Aftab. A. Shabnam** and Jadhav B. L. (2011). Evaluation of antibacterial properties of mangrove plant *Sonneratia apetala* Buch. Ham. leaf. **World Applied Sciences Journal, 14 (11): 1683-1686.**
21. **Aftab A. Shabnam**, Jaimini D., Sarkar C., Phulara R. and Pawar S.E. (2011) Evaluation of gamma rays-induced changes in oil yield and oleic acid content of niger, *Guizotia abyssinica* (L. f.) Cass. **Current Science, 101 (4): 490-491.**
22. Rathore M.S., Srinivasulu Y., **Aftab A. Shabnam**, Kour R., Dhar A. and Khan M.A. (2010) Cryopreservation of elite temperate mulberry germplasm. **Current Science, 99 (5): 557.**
23. Srinivasu T., **Aftab A. Shabnam** and Jambhulkar S.J. (2004) Induced cytological changes in *Guizotia abyssinica* by gamma rays, sodium azide and ethyl methanesulphonate. **Perspectives in Cytology and Genetics, 11: 425-430.**
24. Tariq A. Khan, Minal P. Bhise and **Aftab A. Shabnam** (1999) Dal lake calls for conservation. **Infofish International, 5: 51-56.**

LEAD PAPERS:

1. Gulab Khan Rohela, **Aftab Ahmad Shabnam**, Pawan Shukla & M.K. Ghosh. Status of Sericulture in India with Special Emphasis on North West India. National Conference on “Frontiers of Plant Research-Prospects and Challenges”, Organised by Department of Botany, Kakatiya University, Warangal, Telangana, India on 9th & 10th March, 2017 Page No: 19

PRESENTATIONS AND ABSTRACTS:

1. “Induced Cytological Changes in *Guizotia abyssinica* by Gamma rays, Sodium azide and Ethyl methanesulphonate”. By T. Srinivasu, **Aftab Ahmad Shabnam** and S. J. Jambhulkar. Presented at 11th All India Congress of Cytology and Genetics (tri-annual) at Sevagram, Wardha, Maharashtra, India. (28th – 30th October 2002).
2. “Study Of Mutagenic Effectiveness and Efficiency of Physical and Chemical Mutagens in Niger (*Guizotia abyssinica* Cass.) Var. No. 71”. By Rekha Pandey, **Aftab Ahmad Shabnam**, T. Srinivasu And S. J. Jambhulkar. Presented at XXVI Annual Conference of Indian Botanical Society at Jamia Hamdard (Hamdard University), New Delhi, India. (29th – 31st December 2003).
3. “Mutagenic Effectiveness and Efficiency of Physical and Chemical Mutagens in Niger (*Guizotia abyssinica* Cass.) Var. IGP – 76”. By **Aftab Ahmad Shabnam**, Rekha Pandey, T. Srinivasu and S. J. Jambhulkar. Presented at UGC National Seminar on Present Scenario in Plant Science Research at Department of Botany, Annamalai University, Annamalai Nagar, Tamil Nadu, India. (19th & 20th February 2005).
4. “Comparative Studies of Oil Content and Fatty Acid Composition in Thirteen Varieties of Niger (*Guizotia abyssinica* Cass.)”. By **Aftab Ahmad Shabnam**, Rekha Pandey, T. Srinivasu and S. J. Jambhulkar. Presented at UGC National Seminar on Present Scenario in Plant Science Research at Department of Botany, Annamalai University, Annamalai Nagar, Tamil Nadu, India. (19th & 20th February 2005).
5. “Comparative studies of seed yield, oil content and oil quality in niger (*Guizotia abyssinica* Cass.)”. By T. Srinivasu and **Aftab Ahmad Shabnam**. Presented at 12th All India Congress of Cytology and Genetics held at Department of Botany, Institute of Science, Mumbai, Maharashtra, India. (28th – 31st October 2005).
6. “High seed yield, oil yield and oleic acid mutant in niger (*Guizotia abyssinica* Cass.) Var. IGP – 76 induced by EMS”. By **Aftab Ahmad Shabnam** and T. Srinivasu. Presented at 12th All India Congress of Cytology and Genetics held at Department of Botany, Institute of Science, Mumbai, Maharashtra, India. (28th – 31st October 2005).
7. “Mutagen induced variations in flowering and capitulum morphology in plants of niger (*Guizotia abyssinica* Cass.) Var. IGP – 76”. By **Aftab A. Shabnam** and T. Srinivasu. Presented at 12th All India Congress of Cytology and Genetics held at Department of Botany, Institute of Science, Mumbai, Maharashtra, India. (28th – 31st October 2005).

8. "High oil yield and oleic acid mutant in niger (*Guizotia abyssinica* Cass.) Var. IGP-76 induced by gamma rays". By **Aftab A. Shabnam** and T. Srinivasu. Presented at 2nd Jammu and Kashmir Science Congress, 2006 held at University of Kashmir, Srinagar, Kashmir, India (25th – 27th July 2006).
9. "Database of medicinal plants of Mumbai". By Satish Pardeshi, **Aftab A. Shabnam**, Archana Rangari and T. Srinivasu. Presented at National Seminar on Plant Resources of Western Ghats held at Indian Institute of Science, Bangalore, Karnataka, India. (7th and 8th December 2006).
10. "Biodiversity with special reference to the flora of Tulsi and Vihar lake of Mumbai city, Maharashtra". By A.K.Rangari, **Aftab A. Shabnam** and S.N. Pardeshi. Presented at National Seminar on Plant Resources of Western Ghats held at Indian Institute of Science, Bangalore, Karnataka, India. (7th and 8th December 2006).
11. "Studies on the role of "Cu" and "Pb" on the morphological characteristics of *Vigna radiata* (L). By Shailaja Kamble, Archana K. Rangari, **Aftab Shabnam**, Satish Pardeshi and Sanjay Jagtap. Presented at 17th APSI Scientists Meet and National Conference on Perspective and Present Scenario in Plant Science Research held at Institute of Science, 15, Madame Cama Road, Mumbai, Maharashtra, India. (20th and 21st November 2008).
12. "Mulberry germplasm bank: Characterization under temperate ecosystem". By R.K. Fotadar, Anil Dhar, **Aftab A. Shabnam** and M.A. Khan. Presented at XI International Conference of International Organization of Plant Biosystematists held at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India. (02 – 04th September 2010).
13. "Frequency of defective cocoons in some silkworm hybrids under North Indian conditions". By R.K. Fotadar, **Aftab A. Shabnam**, Anil Dhar and M.A. Khan. Presented at 6th JK Science congress held at University of Kashmir, Hazratbal, Srinagar, J&K, India. (02 – 04th December 2010)
14. "Magnitude of diversity in mulberry (*Morus Spp.*) and its conservation in North India". By **Aftab A. Shabnam**, R.K. Fotadar, Anil Dhar and M.A. Khan. Presented at International Conference on Energy Environment and Development (ICEED 2010) held at Sambalpur University, Sambalpur, Orissa, India. (10-12th December 2010).
15. "Adoption of new Seri-Technologies for the upliftment of rural masses". By **Aftab A. Shabnam**, R.K. Fotadar, Anil Dhar and M.A. Khan. Abstract published in National Conference on "Sericulture Innovations before and beyond" held at Central Sericultural Research and Training Institute, Mysore, Karnataka, India. (28-29th January 2011).
16. "Strategies for improvement of mulberry in Jammu and Kashmir". By **Aftab A. Shabnam**, Fotadar, R.K., Anil Dhar and Khan, M.A. Presented at Workshop on "Recent trends in Development of Bivoltine Sericulture in Jammu and Kashmir" held at Srinagar, Kashmir, Jammu and Kashmir, India (29th October 2011).

17. “Non conventional approaches for conservation of elite mulberry genotypes for sustaining bivoltine sericulture in J&K”. By **Aftab A. Shabnam**, Rathore, M.S., Fotadar, R.K., Srinivasulu, Y., Anil Dhar and Khan, M.A. Presented at Workshop on “Recent trends in Development of Bivoltine Sericulture in Jammu and Kashmir” held at Srinagar, Kashmir, Jammu and Kashmir, India (29th October 2011).
18. **Aftab A. Shabnam** and R.K. Fotadar (2012). Root proliferation studies for preliminary selection of *Morus spp.* F₁s under temperate conditions of Kashmir. **In Souvenir and abstracts** 8th JK Science Congress held at University of Kashmir, Srinagar, India (17-19th September, 2012). Pp: 138-139.
19. **Aftab A. Shabnam**, R.K. Fotadar, M.S. Rathore, Anil Dhar and K.A. Sahaf (2012). Biodiversity of mulberry (*Morus spp.*) in Jammu and Kashmir. **In Souvenir and book of abstracts** IV International Conference of National Environmentalists Association on “Anthropogenic Impact on Environment and Conservation Strategy” held at St. Xavier’s College, Ranchi, Jharkhand, India (02-04th November 2012). Pp: 93.
20. M.S. Rathore, Y. Srinivasulu, R. Kour, **Aftab A. Shabnam**, Anil Dhar and K.A. Sahaf (2012). Sustainability of soil health under mulberry plantation at Kashmir. **In Souvenir and book of abstracts** IV International Conference of National Environmentalists Association on “Anthropogenic Impact on Environment and Conservation Strategy” held at St. Xavier’s College, Ranchi, Jharkhand, India (02-04th November 2012). Pp: 96-97.
21. **Aftab A. Shabnam**, R.K. Fotadar, R. Lochan, Z. Dar and K.A. Sahaf (2014). Conservation and characterization of mulberry (*Morus spp.*) genetic resources under temperate ecosystem. **In book of abstracts** International Conference on Biodiversity, Bioresources and Biotechnology held at Quorum Hotel, Mysore, Karnataka, India (30-31 January 2014). Pp: 29.
22. Gulab Khan Rohela, Pawan Shukla, Ravindra, Mudasir Gani, **Aftab A. Shabnam**, Srinivasulu Y and Sharma S.P. Somatic Hybridization as a potential tool for mulberry improvement-A review. *National Seminar on “Sericultural Development in Temperate region-Problems & Prospects”* organized by CSR&TI, Pampore on **21st & 22nd March, 2016.**
23. Pawan Shukla, Gulab Khan Rohela, **Aftab A. Shabnam**, S. P. Sharma (2016). Prospect of Cold Tolerant Genes and Its Utilization in Mulberry Improvement–A Review. *National Seminar on “Sericultural Development in Temperate region-Problems & Prospects”* organized by CSR&TI, Pampore on **21st & 22nd March, 2016.**
24. Shailendra Singh Chauhan, **Aftab Ahmed Shabnam**, PawanSaini and S. P. Sharma. Comparative efficacy of some exotic and Indigenous genetic resources with respect to floral synchrony and crossability in mulberry (*Morus spp.*) under Temperate climate of Jammu and Kashmir. *National Seminar on “Sericultural Development in Temperate region-Problems & Prospects”* organized by CSR&TI, Pampore on **21st & 22nd March, 2016.**

25. **Aftab A. Shabnam**, Chauhan, S.S., Rathore, M.S. and Sharma, S.P. Improvement Of Mulberry In North India- Prospects And Strategies. *National Seminar on “Sericultural Development in Temperate region-Problems& Prospects”* organized by CSR&TI, Pampore on **21st& 22nd March, 2016**.
26. **Aftab A. Shabnam**, Chauhan, S.S. Rathore, M.S., Srinivasulu, Y. and Sharma, S.P. Sexual and morphological diversity in Mulberry (*Morus spp.*) Germplasm and its utilization under Temperate conditions. *National Seminar on “Sericultural Development in Temperate region-Problems& Prospects”* organized by CSR&TI, Pampore on **21st& 22nd March, 2016**.
27. Mushtaq A. Rather, **AftabA.Shabnam** and G. Rizvi. Incidence of leaf spot and powdery mildew on evolved F1 selections of Mulberry (*Morus spp.*) under temperate conditions of Kashmir. *National Seminar on “Sericultural Development in Temperate region-Problems& Prospects”* organized by CSR&TI, Pampore on **21st& 22nd March, 2016**.
28. M.S. Rathore, Y. Srinivasulu, **A. A. Shabnam**, S.S. Chauhan and S. P. Sharma. Integrated Soil Nutrient Management For Soil Health Sustainance Under Temperate Conditions Of Kashmir. *National Seminar on “Sericultural Development in Temperate region-Problems& Prospects”* organized by CSR&TI, Pampore on **21st& 22nd March, 2016**.
29. M.S. Rathore, Y. Srinivasulu, **A. A. Shabnam**, S.S. Chauhan and S. P. Sharma. Organic farming practices for sustaining soil fertility under temperate conditions. *National Seminar on “Sericultural Development in Temperate region-Problems& Prospects”* organized by CSR&TI, Pampore on **21st& 22nd March, 2016**.
30. Gulab Khan, Pawan Shukla, Ravindra, Mudasir Gani, **Aftab Ahmad** & S.P. Sharma (2016). Existence of diversified mulberry in J&K state and other North West regions of India. Organised by CSGRC, Hosur, Tamil Nadu, India in **March 2016**.
31. Gulab Khan, Pawan Shukla, Ravindra, Mudasir Gani, **Aftab Ahmad** & S.P. Sharma. Environmental Biotechnology: As a potential tool for ecosystem restoration. National seminar on “*Environmental pollution organized by University of Kashmir*” on **5th June, 2016**.
32. Pawan Shukla, Gulab Khan, Pawan Saini, **Aftab A Shabnam**, Anil Dhar (2016). In silico identification of cold tolerant genes for mulberry improvement. In International Conference on molecular biology of stress responses in phototrophs at Indira Gandhi National Tribal University (IGNTU), Amarkantak from **12th Nov. to 15th Nov., 2016**, p-C12.
33. गुलाब खान रोहेला*, पवन शुक्ला, **आफताब अहमद शबनम** एवं बाबूलाल . शीतोष्ण शहतूत उपजाति: (चाइनीस व्हाइट) मोरस अल्बा एल का नोडल खंडो के माध्यम से कृत्रिम क्लोनल प्रजनन एक दिवसीय राजभाषा संगोष्ठी “शहतूती रेशम का विकास – नई तकनीकियो केसाथ” केरेउअवप्रसं बरहमपुर, **20 जनवरी, 2017** पेज: 8 I

34. **Aftab A. Shabnam**, Shamim Baksh, Anil Dhar, R.K. Fotadar, Rajeev Lochan, S.S. Chauhan, and M.S. Rathore (2017). Evolution of mulberry (*Morus spp.*) Variety (PPR-1) for propagation under temperate climatic conditions of Jammu and Kashmir. XIII Agricultural Science Congress-2017 (Climate Smart Agriculture). Organized by University of Agricultural Sciences, Bangaluru in collaboration with National Academy of Agricultural Sciences, New Delhi held at UAS, Bangaluru on **21-24th February 2017**. Pp: 294 (Abstract ID: B233).
35. Gulzar Ahmad Khan, S. Nazeer Ahmad Saheb, **Aftab Ah. Shabnam**, Mohd Shafi Mir and Bharat Bhushan. IVLP: A Participatory Approach for Socio-Economic Development of Rural Areas. “12th JK Science Congress” Organised by University of Jammu & J&K, Technology and Innovation Council from **2nd - 4th March, 2017**.
36. Gulab Khan Rohela, **Aftab Ahmad Shabnam**, Pawan Shukla & M.K.Ghosh. Standardization of protocols for in vitro micro propagation of superior temperate mulberry varieties. National Conference on “Frontiers of Plant Research-Prospects and Challenges”, Organised by Department of Botany, Kakatiya University, Warangal, Telangana, India on **9th & 10th March, 2017**. Page No: 61
37. Gulab Khan Rohela, **Aftab Ahmad Shabnam**, Pawan Shukla & M.K. Ghosh. Eco-Restoration through mulberry plants (*Morus sps.*)-An Environmental Safety Approach. National Conference on “Frontiers of Plant Research-Prospects and Challenges”, Organized by Department of Botany, Kakatiya University, Warangal, Telangana, India on **9th & 10th March, 2017** Page No: 94.

WORKSHOPS:

1. Attended one day workshop on “Multiple cocoon crops for sustainable sericulture in J& K state. Organized by CSR&TI, Pampore and Sericulture Development Department (SDD), Kashmir J&K held on October 18th, 2010 at SKICC, Srinagar. Kashmir, India.
2. Attended one day workshop on “Recent trends in Development of Bivoltine Sericulture in Jammu and Kashmir” Organized by CSR&TI, Pampore and Sericulture Development Department (SDD), Kashmir J&K held on October 29th, 2011 at SKICC, Srinagar. Kashmir, India.
3. Attended one day workshop on “Commercialization of technologies” organized by FICCI and TBD held at The Lalit Grand Palace, Srinagar on 11th July, 2011.
4. Attended one day workshop on “Increase ur productivity” organized by Agilent technologies held at The Lalit Grand Palace, Srinagar on 16th July 2012.
5. Attended “European Union awareness raising and information campaign” organized by Delegation of European Union to India at University of Kashmir, Srinagar on 19th September 2012.
6. Attended Two days National Workshop on “Scholarly Writing, Reference Management and Deterring Plagiarism” Organized by Allama Iqbal Library University of Kashmir on 22-23rd March 2017 at University of Kashmir Campus, Srinagar, Kashmir (J&K), India.

Books:

1. Anil Dhar, Fotadar, R.K., **Aftab A. Shabnam** and Khan, M.A. (2011). Catalogue on temperate mulberry germplasm. CSR&TI, Pampore publication. Book No. 1.

Booklets:

1. Anil Dhar, **Aftab Shabnam**, Irfan Illahi and Mir Nisar Ahmad (2016). Intensive bivoltine sericultural technology package for North India. *Published by Central sericultural Research and Training Institute, Central Silk board, Pampore. Booklet No (01).*
2. अनिल धर, आफताब अ. शबनम, इरफान इलाही एवं मीर निसार अहमद (2016) उत्तर – पश्चिम भारत हेतु गहन द्विप्रज रेशम उत्पादन प्रौद्योगिकी पैकेज। *Published by केन्द्रीय रेशम उत्पादन अनुसंधान एवं प्रशिक्षण संस्थान, केन्द्रीय रेशम बोर्ड, पाम्पोर.*

Bulletins:

1. Rathod, M.S., Srinivasulu, Y., **Aftab Shabnam**, Anil Dhar and Khan, M.A. (2010). Nutrient Deficiency symptoms in mulberry and its management. **Bull. No. 17.** CSR&TI, Pampore.
2. **Aftab A. Shabnam**, Shakeel Ahmad and K.A. (2014). Raising and Maintenance of Mulberry Kissan Nurseries Under Temperate Conditions. **Publication No. 01 (2014)** under ISDS, CSR&TI, Pampore.
3. **Aftab A. Shabnam** and S.P.Sharma (2016). Improved mulberry variety (PPR-1) for Temperate Region. *Published by Central sericultural Research and Training Institute, Central Silk board, Pampore. Bulletin No (20).*

RESEARCH INVOLVEMENT

Concluded Projects: 02

Ongoing Research Projects: 06

As PI:

1. Acquisition, Conservation, Characterization and Utilization of mulberry germplasm under temperate conditions (PIB-Pam 1).
2. All India Coordinated Experimental Trial for Mulberry (AICEM) Phase-III.

As CI:

1. Identification of cold tolerant genes for improvement of mulberry genotypes (PIB-3579)
2. Evolution of superior mulberry varieties suitable for temperate region through somatic hybridization (PIB-3571 - In collaboration with University of Kashmir).

3. Development of superior mulberry varieties through controlled hybridization for North-West Indian states (PIB-3586 - In collaboration with CSGRC, Hosur & CO, Bangaluru)
4. Nutrient analysis of soils and mulberry under temperate conditions.

TRAININGS:

1. Attended Training course on “**Molecular Biology and Biotechnology Techniques**” from 10 – 20th December 2009 at Central Institute of Fisheries Education (CIFE), Versova, Mumbai (Maharashtra).
2. Attended “**Disciplinary Proceedings Training**” organized by Corporate and Enterprise Development Cell (C&ED), Central Silk Board from 24th – 27th February, 2011 at Dehradun (Uttarakhand).
3. Attended Training Course on “**Writing Wining Research Proposals**” organized by National Academy of Agricultural Research Management (NAARM) from 2 – 8th September 2011 at NAARM Campus, Rajendranagar, Hyderabad (Andrapradesh).

ACHIEVEMENTS:

- ❖ Awarded first prize in environmental quiz competition held at CSR&TI, Pampore on 05th June 2016.
- ❖ Awarded Best Paper Presentation prize for presenting a research paper at “International Conference on Biodiversity, Biresources and Biotechnology” held at The Quorum Hotel, Mysore, Karnataka, India (30-31 January 2014).
- ❖ Awarded prize of appreciation for presenting a research paper at 2nd Jammu and Kashmir Science Congress, 2006 held at University of Kashmir, Srinagar, Kashmir, India (25th – 27th July 2006).
- ❖ Awarded “Warden’s special appreciation prize” for the year 2004 – 05 by the Superintendent of Govt. Colleges Hostel, C – Road, Churchgate, Mumbai – 20 for best student in the hostel.
- ❖ Awarded first prize for winning the ‘Debate Competition’ in the ‘Majja festival 2004 – 2005’ of Institute of Science, Mumbai – 32.
- ❖ Awarded many prizes in different sports activities.

SUMMARY OF THE RESEARCH CONTRIBUTIONS:

- Evolved twelve mutants of oil seed Niger (*Guizotia abyssinica*) with improvement in seed yield, oil content and oil quality. These mutants will be useful for attaining the homogeneity and the development of varieties with high yield potential and quality attributes especially with reduced percentage of linoleic acid and increased percentage of oleic acid.
- Identified and evaluated mulberry variety PPR-1 with improved characteristics such as more than 90% rooting ability, early sprouting nature after winter dormancy, 15% improvement in yield, moderately tolerant to frost and improved nutritional quality. The variety was released for commercial propagation under

temperate climatic conditions and hilly areas of Uttarakhand. The variety has been accepted for national trials under AICEM-IV.

- Characterized the temperate mulberry gene pool for 65 morpho-metric, 09 reproductive and biochemical traits. Identified promising mulberry varieties for utilization in future breeding programmes.

REFERENCES:

1. **Prof. M. M. Salunkhe** (Ex-Director, Institute of Science, where I did my Ph.D.)
Presently Vice – Chancellor,
Bharati Vidyapeeth (Deemed to be University),
Bharati Vidyapeeth Bhavan,
Lal Bahadur Shastri Marg,
PUNE – 411030, Maharashtra.
India.
Tel: +91-2024407100 (O)
+91-9922699313 (M)
E-mail: mmsalunkhe@hotmail.com
2. **Dr. Pawar, S.E.** (My project collaborator)
Retired Scientist-H,
Nuclear Agriculture and Biotechnology Division,
Bhabha Atomic Research Center (BARC), Trombay,
Mumbai – 400 085.
India.
Tel: +91-22-30984575 (R)
+91-9820518757 (M).
Email: sepawar2004@yahoo.com
3. **Dr. R.K. Fotadar,**
Retired Scientist-D and Head Mulberry Breeding and Genetics Division,
Central Sericultural Research and Training Institute,
Central Silk Board, NH-44A, Gallandhar, Pampore.
Kashmir, J&K, India.
Tel: +91-9596200534 (M)
E-mail: rkfotadar@gmail.com

AFTAB AHMAD SHABNAM