

BIODATA

Name : Dr. Ifat Bashir
Spouse : Dr. Shabir Ahmad Bhat
Permanent Address : Wavoor, Kupwara, Kashmir (J & K), PIN- 193223
Correspondence Address : Govt. Degree College Sopore, PIN- 193201
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Educational Qualification : **Ph.D Sericulture**
Title of Ph.D. Thesis : *Studies on the Pathogenicity of Microsporidia isolated from insect pests of Mulberry and some other Agricultural crops to the silkworm, Bombyx mori L.*

Details of Educational Qualification	Degree	Name of the College/ University	Subjects taken with Specialization	Year of Passing
	B.Sc	University of Kashmir	English, Sericulture, Zoology & Botany	2003
	M.Sc	University of Mysore	Sericulture	2005
	Ph.D	University of Mysore	Sericulture	2009

Date of Birth : 12-11-1979

Languages Known : Kashmiri, Urdu, Hindi and English

Job Details : ➤ Working as Assistant Professor Sericulture in the Department of Higher Education w.e.f. 13-01-2017 (A/N) till date.

➤ Worked as Sericulture Assistant in the Sericulture Development Department J and K w.e.f. 30-12-2009 to 13-01- 2017 (F/N).

Research/Teaching Experience ➤ Teaching Experience as Assistant Professor Sericulture from 13-01-2017 till date.

➤ Teaching Experience as Teaching Assistant (Sericulture) at Govt. Degree College for Women, Anantnag from 18-04-2009 to 27- 12-2009.

➤ Extension Experience w.e.f. 30-12-2009 to 13-01-2017 (F/N).

- Scanning Electron Microscopic technique training at Electron microscopic unit of Central Sericultural Research and Training Institute (CSR&TI, Mysore).
- Transmission Electron Microscopic technique training of 11 months and 10 days at National Institute of Mental Health and Neurosciences, (NIMHANS), Bangalore.
- One year Diploma in Informatics and System Management (DISM) from Aptech Computer Education, Anantnag.

Expertise developed

:

- Silkworm rearing and seed production technology.
- Isolation and purification of microbes.
- Micrometry and haemocytometry,
- Identification and characterization of silkworm pathogens.
- Disease management.

Honors / Awards received

:

- Swan Silk **Gold Medal***
- Chikkamalur Choodegowda alias Puttaswamy Gowda Memorial **Gold Medal***
- Swan Silk Cash prize*
*At 86th Annual Convocation of University of Mysore for being the 1st rank holder in M.Sc. Sericulture, 2005
- Certificate of Appreciation from Principal Govt Degree College Pattan for being a Resource person in the 5-day workshop cum Seminar titled “From Science to Business, Preparing Students for Successful Transition into Entrepreneurship- Industrial and Agrarian Entrepreneurship Development” wef 23rd to 27th March, 2021.

**Seminars/Conferences/
Webinars/Workshops
attended:**

- Webinar on Attaining Inclusivity in Higher Education Through Stress Management organized by UGC HRDC University of Kashmir on 17th March, 2023.
- Webinar on MOOCS: Development and Delivery organized by UGC HRDC University of Kashmir on 14th March, 2023
- International Webinar on Academic Writing organized by IQAC Govt College Rajahmundry Andhra Pradesh and Dept of Research and Publications A to Z Learning Hub Kerela on 25th February, 2023.

- FDP on Blooms Taxonomy in Teaching and Learning organized by SanSnows Nobel Professional Foundation Govt of India on 16th February 2023.
- Webinar on NEP 2020 towards a Multidisciplinary Approach organized by UGC HRDC University of Kashmir on 30th August, 2022.
- Webinar on Challenges in Implementation of NEP 2020 organized by UGC HRDC University of Kashmir on 29th July, 2022.
- Webinar on National Education Policy (NEP) 2020: Opportunities and Challenges for Higher Education organized by UGC HRDC University of Kashmir on 21st July, 2022.
- Virtual Workshop on Technologies to Enhance Bivoltine Silk production in South India organized by CSR&TI, Mysore on 24th February, 2021.
- Webinar on Enterprise Opportunities in Mulberry Silkworm Seed Sector organized by Dept of Studies in Sericultural Sciences, University of Mysore on 12th November, 2020.
- Webinar on Automated Recognition of Silkworm Races and Breeds through Computational and Gene Based Coding organized by Dept of Studies in Sericultural Sciences, University of Mysore on 23rd September, 2020.
- Webinar on Wild Silk Moths diversity and its ex situ and in situ conservation in India organized by Dept of Studies in Sericultural Sciences, University of Mysore on 10th September, 2020.
- National Webinar Workshop on Distant Teaching and Learning through Online Tools organized by COTS, SKUAST, Mirgund in collaboration with NAHEP IDP SKUAST-K wef 31st August to 3rd September, 2020.
- International webinar on Environmental Crisis and Human approach organized by Dept of Zoology, Govt Degtree College for Women Anantnag wef 17th to 18th July, 2020.
- National Webinar on Unravelling the skills of Sericulture- A tool for self-employment and poverty

allevation organized by Division of Sericulture Crop Improvement COTS, SKUAST, Mirgund in collaboration with NAHEP IDP SKUAST-K wef 14th to 16th July, 2020.

- National Seminar on Silk Heritage and Entrepreneurship Development in Sericulture organized by Dept of Zoology, University of Science and Technology, Meghalaya wef 7th to 9th July 2020.
- National Webinar Workshop on Mulberry fruit- a promising nutraceutical resource with inherent bioactive compounds organized by COTS, SKUAST, Mirgund in collaboration with NAHEP IDP SKUAST-K wef 29th to 1st July, 2020.
- Frontiers in Chemical Sciences (FICS), National Symposium on 4th to 5th November, 2017 organized by Govt Degree College Sopore.
- National Seminar on National Development through Science and Technology on 25th to 26th September, 2017.
- National Seminar on Sericulture Development in Temperate Region, Problems and Prospects on 21st to 22nd March, 2016.
- Workshop on Recent Trends in Development of Bivoltine Sericulture in J & K on 29-10-2011.
- National Conference on Sericulture Innovations Before and Beyond on 28th to 29th January, 2011.
- Workshop on Multiple Cocoon Crops for Sustainable Sericulture in J & K State on 18-10-2010.
- 9th Agricultural Science Congress on 22nd to 24th June, 2009 at SKUAST-K.

Trainings:

- Third One Week Induction Programme at Institute of Advanced Studies in Education (IASE), Govt. College of Education, M A Road Srinagar wef 31st January to 7th February, 2017.
- 37th General Orientation Course at UGC- HRDC, University of Jammu wef 18-12-2017 to 15-01-2018.
- Refresher Course in Science at UGC- HRDC,

University of Kashmir wef 02-01-2021 to 15-01-2021.

- Faculty Development Programme at Govt Degree College for Women Baramulla wef 07-03-2022 to 15-03-2022.

Paper Setter/ Evaluator:

- Question Paper Setter for Undergraduate Courses (Non professional Courses Sericulture) University of Kashmir.
- Question Paper Setter for Undergraduate Courses (Professional Courses Sericulture) Sher-e-Kashmir University of Agricultural Sciences and Technology Kashmir, SKUAST-K.
- Question Paper Setter for Skill Enhancement Courses Sericulture, Govt Degree College Sopore and Govt Degree College for Women, Anantnag.
- Evaluator of Answer Scripts of Non-professional Undergraduate Courses Sericulture, University of Kashmir.
- External Examiner for Thesis Evaluation, PG Sericulture, COTS, SKUAST-K.

Special Contribution:

- Member Board of Undergraduate Studies, University of Kashmir for framing the Syllabus for Sericulture (Ist to 6th Semesters CBCS and Ist and IInd Semesters under NEP, 2022)
- As Head of the Department, Department of Sericulture GDC Sopore signed MOU with COTS SKUAST-K Mirgund on 31-08-2021

Member of Different Committees/Cells at GDC, Sopore:

- Research and Development Cell
- Discipline Committee
- Library Committee
- Timetable Committee
- Health Care Committee
- Women Development Cell
- Debates and Cultural Committee

- Transport/Excursion/Subject Tour Committee
- Protocol Committee
- Canteen Committee

Total No. of Publications: ➤ Thirty (30) List Attached*

PUBLICATIONS

A. Research Papers

1. **Ifat Bashir** and Shabir Ahmad Bhat (2021) Electron microscopic observation on the Anatomy Microsporidians isolated from insect pests of Mulberry and other Agricultural crops. *International Journal of Agricultural Sciences and Veterinary Medicine*, 9(2): 36-40. **(NAAS: 3.89; IF:0.565)**
2. **Ifat Bashir** and Shabir Ahmad Bhat (2020) Microscopical observations on the Microsporidians isolated from insect pests. *International Journal of Current Microbiology and Applied Sciences*, 9(11): 744-748. **(NAAS:5.38; IF 0.654)**
3. Shabir Ahmad Bhat, B. Nataraju, **Ifat Bashir** and K A Sahaf (2017) A new microsporidian isolated from Lamerin breed of *Bombyx mori* L. *Indian Silk*, 4(7-8): 55-56. **(NAAS: NA)**
4. Aabid K. Tantry, Shamim A. Dar, **Ifat Bashir**, Shahnawaz A and Shabir A. Bhat (2017) Gonadotrophic effect of synthetic and phyto ascorbate on the silkworm, *Bombyx mori* L The Pharma innovation Journal, **6** (1): 44-47. **(NAAS:5.03)**
5. Shabir A. Bhat, **Ifat Bashir** and Aabid Khaliq Tantry (2015) Studies on the growth curve of healthy and microcrosporidian infected larvae of Lamerin Breed of Silkworm *Bombyx mori* L. *J.Exp. Zool. India.*, 18 (2): 997-999. **(NAAS:4.63)**
6. Aabid K. Tantary, Shahnawaz Ahmad, Shabir A. Bhat, **Ifat Bashir** and Kanika Trivedy (2015) Studies on the effect of fortification with synthetic vitamin C the reeling traits of the silkworm *Bombyx mori* L, *J. Exp. Zool. India.*, **18** (2): 601-605. **(NAAS:4.63)**
7. **Ifat Bashir**, S. D. Sharma, Shabir A. Bhat and J. Justin Kumar (2012) Investigation on the site and intensity of infection in different tissues of the silkworm *Bombyx mori* L by three different microsporidia, *Indian J. Seric.*, **51** (1): 81-84. **(NAAS: NA)**

8. Shabir A. Bhat, B. Nataraju and **Ifat Bashir** (2012) Histopathological studies of microsporidia infected tissues of Lamerin breed of the silkworm *Bombyx mori* L, *International J. for Biotechnology and Molecular Biology Res.*, **3** (2): 22-23. **(IF:0.765)**
9. Shabir A. Bhat, B. Nataraju and **Ifat Bashir** (2012) Efficacy of different benzimidazole derivative of microsporidiosis of Lamerin breed of the silkworm *Bombyx mori* L *J. of Entomology and Nematology.*, **4** (2): 12-14. **(NAAS:NA)**
10. Shabir A. Bhat, Afifa S. Kamili and **Ifat Bashir** (2012) Characteristic features of microsporidias isolated from silkworm *Bombyx mori* L, *The SciTech Publishers and International Association for Teaching and Learning*, 71-75. **(NAAS:NA)**
11. **Ifat Bashir**, Sharma, S. D and Shabir A. Bhat (2011) Screening of different insect pests of mulberry and other agricultural crops for microsporidian infection, *International J. for Biotechnology and Molecular Biology Res.*, **2** (8): 138-142. **(IF:0.765)**
12. Shabir A. Bhat, B. Nataraju and **Ifat Bashir** (2011) Propagation of microsporidial infection by carriers in *Bombyx mori* L, *Journal of Sericulture and Technology.*, **2** (2): 171-173. **(NAAS:NA)**
13. **Ifat Bashir**, S. D. Sharma, Shabir Ahmad Bhat and Aabid K Tantray (2011) Susceptibility status of Bivoltine Breeds of the Silkworm, *Bombyx mori* L to infection by different Microsporidians, Work shop on, *Recent trends in Development of bivoltine sericulture in J & K*, 67-73. **(NAAS:NA)**
14. Shabir A. Bhat, **Ifat Bashir**, Aabid K. Tantray, K. A. Sahaf and G. N. Malik (2011) Screening of Different Botanicals for Anti-Microsporidian Property, Work shop on, *Recent trends in Development of bivoltine sericulture in Jammu and Kashmir*, 81-84. **(NAAS:NA)**
15. **Ifat Bashir**, S. D. Sharma, Shabir A. Bhat, M. Balavenkatasubbaiah, P. Sudhakara Rao, K. Chandrasekharan, A. R. Narsimiha and J. Justin Kumar (2011) Artificial germination of spores of different microsporidia by two step procedure. *Golden Jubilee Conference-Sericulture innovations: Before and Beyond*, p:239-242. **(NAAS:NA)**
16. Afifa S. Kamilli, Shabir A. Bhat and **Ifat Bashir** (2011) Observations on the microsporidia isolated from bivoltine mulberry Silkworm *Bombyx mori* L reared under temperate climatic conditions in India, *22nd Congress of the International Sericultural commission "Silk for the Better Life" Chiang Mai Thailand* 14-18 December 2011. 110-117. **(NAAS:NA)**

17. Shabir Ahmad Bhat.; B. Nataraju.; **Ifat Bashir**.; A. K. Tantray and F. A. Malik (2009) Studies on the haemolymph and midgut lipid profiles in 5th instar microsporidiosis infected Lamerin breed of Silkworm *Bombyx mori* L. *SKUAST J. of Res.*, **11** (1): 146-149. (NAAS:6.00)
18. Shabir A. Bhat.; **Ifat Bashir** and B. Nataraju (2009) Biology of microsporidia infecting silkworm, *Bombyx mori* L., *J. Exp. Zool. India.*, **12** (2): 241-243. (NAAS:4.63)
19. Shabir A. Bhat, **Ifat Bashir** and Afifa S. Kamili (2009) Microsporidiosis of silkworm, *Bombyx mori* l (Lepidoptera- bombycidae) – Standard Review. *African J of Agricultural Research.*, **4** (13): 1519-1523. (NAAS:6.00)
20. **Ifat Bashir** and S. D. Sharma (2008) Studies on the morphology, infectivity and transmission of five different microsporidia in the silkworm *Bombyx mori* L. isolated from insect pests of mulberry and some other agricultural crops., *Indian J. Seric.*, **47** (1): 54-59. (NAAS:NA)
21. **Ifat Bashir** and S. D. Sharma (2008) Rate of spread of microsporidiosis by five different microsporidia within a healthy colony of the silkworm, *Bombyx mori* L. *Uttar Pradesh J. Zool.*, **28** (2): 205-209. (NAAS:NA)
22. Shabir Ahmad Bhat and **Ifat Bashir** (2008) Sericulture in Kashmir (Past and present status). *Current Biotica.*, **2** (1): 117-120. (NAAS:NA)
23. **Ifat Bashir** and S. D. Sharma (2008) Susceptibility status of two popular hybrids of the silkworm, *Bombyx mori* L. to infection by five different microsporidia isolated from insect pests of mulberry and some other agricultural crops, *J.Exp. Zool. Inddia.*, **11** (2): 273-277. (NAAS:4.63)
24. Sudhakara Rao, A. R. Narasimnaha Nayaka, M. Mamatha, T. Sowmyashree, **Ifat Bashir** and Irfan Ihhahi (2007) development of New robust bivoltine silkworm hybrid SR2xSR5 for rearing through out the year *Int. J. Indust. Entomol.*, **14** (2): 93-97. (NAAS:NA)
25. Shabir Ahmad Bhat, **Ifat Bashir**, Afifa. Kamili and M. A. Malik (2006) Identification of microsporidia by sodium dodecyle sulphate-polyacrylamide gel electrophoresis (SDS-PAGE) isolated from silkworm *Bombyx mori* L. *J.Parsit .Anim Biol.*, **15** (1&2): 69-72. (NAAS:NA)

B. Research Papers presented and abstracts published in different National conferences / Seminars / Symposiums

1. **Ifat Bashir**, Shabir A. Bhat and S. D Sharma (2016) Studies on the impact of microsporidiosis on economic characters of silkworm *Bombyx mori* L, National Seminar on Sericultural Development in Temperate region- Problems and prospects. 21- 22nd March 2016. Abstract p. 95.

2. **Ifat Bashir**, S. D Sharma, Shabir A. Bhat, Malik farooq and J. Justin Kumar (2011) Effect of different temperature regimes on the rate of sporulation of five different microsporidia in the silkworm *Bombyx mori* L, National conference on Sericulture Innovations: Before and beyond 28-29 January 2011. Abstract No. Spp/P-010 p. 95.
3. Shabir Ahmad Bhat, **Ifat Bashir**, Afifa S. Kamili and Javaid Ahmad (2008) Morphological and ultrastructural studies of a microsporidian isolated from the silkworm, *Bombyx mori* L.” in “4th JK Science Congress” held at University of Kashmir, on 12-14th November 2008, Abstract p. 79.

C. Book Chapter

1. Shabir A. Bhat, **Ifat Bashir**, F A Malik, M Y Khan, Z I Buhroo, S A Wani and Shahnawaz Ahmad (2022) Exploration of Locally Available medicinal plants and their efficacy on silkworm diseases. Biodiversity- Challenges and Measures. Editor: Majagi S, Daya Publishing House- A Division of Astral International Pvt. Ltd. New Delhi-110002, ISBN: 978-93-5461-253-45 (HB)p 27-36.
2. Shabir A. Bhat, **Ifat Bashir** and Aabid K. Tantray (2013) The therapeutic effects of Quinine derivatives on Microsporidia of Lamerin Breed of the silkworm *Bombyx mori* L. Research nad Development in India Sericulture., Edited By Sharma, Pandey, Jaiswal, Kumar, Kumari, Razauddin, Kumar., pp105-109. (ISBN: 978-93-82302-65-0).