

BIODATA
OF
PROF. G. MUSTAFA SHAH

Post Graduate Department of Zoology,
University of Kashmir, Srinagar-190 006
Jammu & Kashmir State

Email. gmustafashah@yahoo.com

Mobile. 09419010336

BIODATA OF PROF.(DR.) G. MUSTAFA SHAH.

a) **Name** : Prof.(Dr). *G. Mustafa Shah*
Deptt. Of Zoology University of Kashmir
email: gmustafashah @ yahoo.com
Cell. 09419010336

b) **Date of Birth** : 13-04-1957

c) **Residential Address** : *S. P. College Road,*
near Ram Ji Temple,
Srinagar-190 001, Kashmir.

d) **Administrative Experience** :

1. **Head Dept. of Zoology Kashmir University:** 4 years
2. **Dean, Faculty of Biological Sciences, K.U. :** 2 years
3. **Dean, College Development Council, KU :** 3 years (Jan, 2013-Feb. 2016)
4. **Acting Vice Chancellor, University of Kashmir :** When V.C. is out of station

Educational Qualification:

No.	Degree	Year of passing	Subjects	University
1.	M. Sc.	1980	Zoology with Fish & Fishery Biology as special paper.	University of Kashmir
2.	M.Phil.	1982	Zoology (Ecology) Title of M.Phil. Dissertation: "Planktonic Survey of Hokarsar Wetland – Cladocera and Copepoda"	-Do-
3.	Ph.D.	1984	Wildlife Ecology & Ornithology. Title of Thesis : "Birds of Hokarsar: Food, Feeding and Breeding Biology of some Resident and Non-Resident Birds."	-Do-
4.		1982	Special Training Course in Wildlife Studies.	Panjab Univ. Chandigarh.

5. **Certificate Courses:**
- a. Wound Management in Wildlife U.S.A.
 - b. Wildlife Diseases Dallas, U.S.A.
 - c. Project Wildlife -Do
 - d. Wildlife Nutrition -Do-

1-22 Jan. 2007 International Wildlife Rehabilitation Council,
U.S.A.

Research Experience : 38 Years.

Teaching Experience : 35 Years. Plus
a. Lecturer : 3 ½ years (April, 1985 – October, 1988)
b. Reader (Open) : 13 years (October, 1988 – October, 2001)
c. Professor (Open) : 19 years (October, 2001 till date)

No. of M. Phil's Supervised and Degrees Awarded : 27

No. of Ph. D's Supervised and Degrees Awarded : 13

No. of Research Publications in National/International Journals : 110

Present Engagements: Teaching, Supervision of Research Scholars and promotion of Higher Education in a wide net work of affiliated colleges and other Institutions spread over J&K State

Research Specialization : Wildlife Ecology &
Ornithology, Fish & Fisheries

Membership of some important Learned Societies :

- a. International Wildlife Rehabilitation Council, California, U.S.A.
- b. Bombay Natural History Society. Bombay
- c. World Pheasant Association. New Delhi
- d. World Wildlife Fund. New Delhi
- e. Jammu & Kashmir Academy of Science, Srinagar
- f. PITA Bird Watchers Society, Hyderabad
- g. International Wetland Research Bureau, London
- h. Ecological Society of India.
- i. Indian Bird Conservation Network (IBCN) Mumbai
- j. Biodiversity Studies – Road Map. Baba Ghulam Shah Badshah University, Rajouri.

- k. Expert Member, Jammu and Kashmir State Biodiversity Board, since 2013
- l. Advisory Member SACON (Salim Ali Centre of Ornithology & Nature Conservation), Coimbatore under Ministry of Environment & Forests Govt. of India, New Delhi
- m. Life member Indian Science Congress Association, Kolkatta.
- n. Advisory member of Board of Wildlife Studies, Amity University, Noida.
- o. President of India;s nominee in the Court of Central University of Jammu, J&K.

Seminars / Conferences / Workshops etc organized:

- i) **Director/Convener** of Three Days National Seminar on: **“Science for Shaping the Future of India: Faunal Diversity- Challenges and Opportunities”** in collaboration with **Indian Science Congress Association** from 19-21st November, 2012 at University of Kashmir.
- ii) Organized Book Release Function for releasing the book :**Indian Mammals- A Field Guide”** By Vivek Menon, Executive Director, Wildlife Trust of India, May,31,2014
- iii) Organizing Secretary of Inauguration of Indian Science Congress Association (ISCA) **“Srinagar Chapter”** which was formally inaugurated on 9th of April, 2016 at Gandhi Bhawan, University of Kashmir.
- iv) Celebrated on behalf of ISCA **“SRINAGAR CHAPTER”** 28th February 2017 as the **“National Science Day”** in collaboration with Govt. Degree College, Sopore, Kashmir at GDC Sopore.
- v) Director Two Days National Seminar on **“National Development through Science & Technology”** organized by ISCA **“SRINAGAR CHAPTER”** University of Kashmir in Gandhi Bhawan, University of Kashmir from 25-26th September, 2017,
- vi) Director ISCA Sponsored **150th Year of Birth of the Father of Nation, Mahatma Gandhi, a week long programme from 2nd – 9th October, 2018 organized in collaboration with Shadab Higher Secondary School, Naseem Bagh, Srinagar.**
- vii) Director, **Interactive workshop of Indian Science Congress Association on “Future India : Science & Technology” organized in association with Mother Teresa Memorial (M.T.M.) College of Education on 03-08-2018.**

Some Important Seminars /Summer Institutes / Conferences / Workshops etc. attended:

1. IWRC "Wildlife Education Symposium -2007" Dallas, Texas, U.S.A. 18 – 22nd January, 2007.
2. International Symposium on "The Role of Universities in Wildlife Education and Research" Aligarh Muslim University, 24-28, February 1986.
3. National Workshop on "Conservation of Dal Lake" October 15-17, 1983. Univ. of Kashmir.
4. Summer Institute on "Health, Production and Management of Wildlife." I.V.R.I. Izatnagar. May 15th - June 4th, 1986.
5. Fifth International Symposium on "Snow Leopard" 13th - 15th October 1986, Srinagar.
6. Workshop on "Wildlife Census Techniques" at Sariska Tiger Reserve, Rajasthan, 17th - 20th November 1986.
7. National Seminar on "Fish and their Environment" 19 -22 September, 1989. Univ. of Kashmir.
8. International Seminar on "Wetland Ecology and Management" Keoladeo Ghana National Park, Rajasthan, 23rd - 25th February 1990.
9. 71st. Indian Science Congress, Ranchi, Bihar. 1-7 January 1981.
10. International Symposium on "Wetlands and Waterfowl Conservation in South and West Asia." Karachi, Pakistan. 14- 20th December 1991.
11. "Bird Red Data Book for Asia" Workshop for South Asia. Organized by Bird life International Environmental Agency of Japan & SACON Coimbatore, February, 1995.
12. International Congress on "Sustainable Development of Environment and Wildlife" December 18 - 21 1997. Ujjain.
13. Short Course on "Computer Application in Fisheries" Central Institute of Fisheries Education, Mumbai, 6th-15th July 1999.
14. 5th National Seminar on "Fish and their Environment" 26-28 July 1999, Univ. of Kashmir.

15. Workshop on "Dal Lake Conservation" J&K Lakes & Waterways Dev. Authority. Srinagar, November, 1999.
16. National Seminar on "Interdisciplinary Approaches in Zoological Research" Sep. 29 to Oct. 1st, 2003 University of Kashmir.
17. International Workshop on Urban lakes conservation and management. HUDA, Hyderabad 16-18 July 2003
18. National seminar on "New Trends in Fishery Development in India" Dept. of Zoology, Panjab University Chandigarh. Feb. 16-18 2005.
19. National Conference on Recent Trends in Aquatic Biology. Dept. of Zoology, Nagarjuna University, Vijaywada, 28-31 January 2003
20. Second J&K Science Congress, University of Kashmir. Sep. 25 – 28, 2006
21. Third J&K Science Congress, University of Jammu, February, 2008.
22. Fourth J&K Science Congress, University of Kashmir, June, 2009.
23. National Workshop on trout farming in India- status and prospects with particular reference to health management. May 24-25 2004 Shimla
24. Three days workshop on Bird Ringing and Banding, organized by Wildlife Protection Department J&K in collaboration with BNHS, Mumbai. 23-25th June 2007.
25. National Workshop on "Development of Cold water Fisheries in India- A New Perspective" 30th May, 2011, Srinagar
26. National Seminar on : "Science for Shaping the Future of India : Faunal Diversity- Challenges and Opportunities" in collaboration with Indian Science Congress Association from 19-21st November, 2012 at University of Kashmir
27. Two Day Seminar-cum-Workshop for College Principals and Academic Administrators on "Management Development in Higher Education" 29-30 Jan. 2013 University of Kashmir.
28. International Conference on "Indian Ornithology" at SACON, Salim Ali Centre for Ornithology and Natural History, 19-23rd November, 2011 at Coimbatore, *Delivered Lead Lecture, Chaired the session and acted as Panel member in the Group Discussion on "Bird Biology Research"*

29. Eighth J&K Science Congress, University of Kashmir, September 29th to 1st October, 2013. Chaired the sessions on Zoology, Veterinary Sciences and Sericulture.
30. First Regional Indian Science Congress, University of Kashmir, September 29th to 1st October, 2013. Chaired the sessions on Zoology, Veterinary Sciences and Sericulture.
31. International Conference on “Cellular and Molecular Mechanisms of Disease Processes’ 13-16th April, 2014. Univ. of Kashmir
32. Chairman of Technical Session of the Seminar on Environment and Education 25th -26th May 2013 organized during Dara Shikoh Festival, Srinagar.
33. Participated as member of the working group on the theme “**Curriculum and Instruction in Higher Education**” in the National Academic Workshop on “ **Areas of Priority and Branches of Knowledge Necessary for Promoting School and College Education in the State**” organized by Faculty of Education, Kashmir University from October 17-18, 2012.
34. Attended National Seminar on “Biodiversity Sustainable Development and Conservation” organized by Dept. of Zoology, Jammu University and Dept. of Fisheries, J&K Govt. March 6 – 8, 2014 and delivered lecture on Biodiversity of J&K State with reference to Birds and Mammals.
35. National Seminar ZOOCON- 2016 on “*Integrating Biodiversity for Reframing Therapeutics and Sustainability*” 17 – 19 November, 2016 Punjab University Chandigarh.
36. Attended 104th Indian Science Congress at Tirupati (A.P.) from 2nd-7th January, 2017 and delivered an invited lecture on “Anthropogenic Activities in and around Dachigam National Park, Kashmir under “Animal Science” section.
37. Attended 12th JK Science Congress at Jammu University from 2nd – 4th March 2017 and delivered a lecture on “Biodiversity Hotspots”
38. Attended two days Assessors Orientation Programme of National Assessment & Accreditation Council from September, 15 16, 2017 at NAAC Head Quarter, Bangaluru.

39. Two Days Training of Trainers (TOT) Workshop of NAAC, Bangluru in collaboration with Directorate of Higher Education, Jammu & Kashmir. 10-11 Dec. 2018 at GGM Science College Jammu.
40. National Seminar on “Challenges in Biodiversity Conservation and Management” organized by Department of Zoology, Jammu University, 20-21 December, 2018 and *Delivered Lead Lecture on Climate Change and its effects on Environment*”

Research Output: The following Research Studies in Ornithology, Wildlife Ecology and Fish & Fisheries leading to M.Phil., and Ph.D. degrees of the University of Kashmir have been conducted and completed under my supervision:

A) M. Phil.’s:

1. Breeding Biology of Little Bittern, *Ixobrychus minutus minutus* in Kashmir. (Mustehsan F. Fazili, 1992.)
2. Food and Feeding habits of Dabbling Ducks at Hygam Wetland, Kashmir. (Shamim Ahmad Dar, 1993)
3. Survey of Macrozoobenthic Community of Hygam Wetland, Kashmir. (Tehmina Yousuf, 1994)
4. Studies on the Breeding Birds in the Reed Swamp Ecosystem at Hokarsar Wetland, Kashmir. (Samina Yesvi, 1996)
5. Study on the Avian Use of Hygam Wetland, Kashmir. (Shabir Ahmad Kar, 1999)
6. Breeding Biology of Pheasant-tailed Jacana, *Hydrophasianus chirurgus* at Hokarsar Wetland, Kashmir. (Tabasum Shafat Kamili 2003)
7. Study on Waterfowl-Habitat Relationship at Wular Lake, Kashmir. (Bashir A. Mir 2003)
8. Study on Benthic invertebrates at foraging locations of some important Waterfowl species in the Wetlands of Kashmir. (Javid Ahmad wani 2004)
9. Study on the feeding ecology and habitat use of Hangul deer, *Cervus elaphus hanglu* Wagner at Dachigam National Park, Kashmir. (Bilal Ahmad Bhat, 2004)

10. Study on the ecology of Kashmir Lizard, *Agama tuberculata*, Gray (Mehraj Bashir, 2004)
11. Study on gonadal maturity, spawning and fecundity of *Schizothorax curvifrons*. (Aliya Ali 2006)
12. Effect of stocking density on blood glucose, haemoglobin, hematocrit and plasma-osmolarity of *Cyprinus carpio* in nature and in captivity. (Aijaz Ahmad Bhat, 2009)
13. Heavy metal contamination and pollution in Dal lake, Kashmir. (Shazia Rasool, 2010)
14. Studies on effects of organophosphate pesticides on the reproductive activities of female carp, *Cyprinus carpio*. (Farooq Ahmad) 2012
15. Studies on organophosphate pesticides on carbohydrate metabolism on common carp, *Cyprinus carpio*. (Abdul Majid Tak) 2012
16. Studies on Ecology and population dynamics of *Botia birdi*. (Jameela Jawhar) 2012
17. Effect of heavy metals on haematology of *Cyprinus carpio*. (Tanzeel Rafiqi) 2012
18. Anthropogenic factors affecting resident and non-resident birds of Dal Lake. (Syed Gousia Nisar) 2013
19. A study on interaction between Hangul Deer and the livestock at Dachigam National Park, Kashmir. (Umar Hassan) 2013
20. Seasonal variation in the protein content of the muscle of *Schizothorax niger* and *Schizothorax esocinus*. (Tahila Manzoor) 2013
21. Study on avian diversity of Dachigam National Park. (Mohammad Rashid Wani) 2013
22. Studies on seasonal variation in protein and lipid content of *Schizothorax labiatus* and *Schizothorax plagiostomus*. (Ms. Snobar Shah) 2014
23. Seasonal variations in the carbohydrate and lipid content of *Schizothorax curvifrons* and *Bangana diplostoma* (Ms. Rehana Nabi) 2014

24. Studies on the Seasonal Variations in the Hepatosomatic Indices and Haematobiochemical Composition of Snow Trout, *Schizothorax niger* (Heckel). (Zubair Ahmad Sheikh) 2014.
25. Assessment of Anthropogenic Pressures in and around Dachigam National Park. (Ms. Naziya Khurshid) 2016
26. Diversity and Habitat Ecology of Riverine Birds at Dachigam National Park with special reference to White-capped Redstart. (Ms. Muniza Manzoor) 2016
27. Diet Assessment of Common Leopard, *Panthera pardus* by Scat Analysis at Dachigam National Park. (Ms. Kulsum Bhat) 2016

B) Ph.D.,s:

1. Biological Survey of Hygam Wetland, Kashmir. Shamim Ahmad Dar, (1999)
2. Breeding Biology of some resident and non-resident birds. (Mustehsan F. Fazili, 2002)
3. Ecological studies of Hangul deer (*Cervus elaphus hanglu* Wagner) with reference to its conservation at Dachigam National Park, Kashmir. (Bilal Ahmad Bhat 2008)
4. Studies on avian diversity and breeding biology of mallard, *Anas platyrhynchos platyrhynchos* in wetlands of Kashmir. (Fayaz Ahmad Ahangar 2008)
5. Studies on benthic invertebrates at foraging locations of winter visiting waterfowl in various wetlands of Kashmir. (Javid Ahmad Wani 2009)
6. Studies on reproductive biology and feeding ecology of brown trout, *Salmo trutta fario* and rainbow trout, *Onchorhynchus mykiss* in Kashmir. (Ms. Nusrat Rasool 2008)
7. Effect of pesticides and fertilizer use on the structure and composition of animal and plant communities of Dal and Anchar lake, Kashmir. (Zahoor Ahmad Khandey, 2011)

8. Effect of selected and naturally occurring feed stuffs on growth and fecundity of *Schizothorax esocinus* and *S. curvifrons* in nature and captivity. (Nasreen Kousar 2009)
9. Comparative study on some aspects of the biology of *Schizothorax niger* and *Schizothorax plagiostomus* with special reference to feeding and growth in juvenile stages. (Shazia Bashir 2012)
10. Diet preparation, feeding, feed conversion efficiency, growth and fecundity of *Schizothorax niger* and *Schizothorax esocinus*. (Aijaz Ahmad Bhat, 2014)
11. Studies on the Diet Formulation, Feeding and Growth Patterns of *Schizothorax labiatus* and *Schizothorax plagiostomus*. (Muneera Jan, 2014)
12. Zooplankton Community of Two Typical Wetlands of Kashmir Himalaya. (Mr. Javid Ahmad Shah, 2015)
13. Patterns of Predation Risk, Habitat Utilization and Survival of Nests of some Breeding Birds at Hokarsar and Haigam Wetlands, Kashmir. (Ishrat Jan, 2018)

Research Projects Undertaken:

1. Habitat Use and Activity Patterns of Waterfowl at Hokarsar wetland, Kashmir. Sponsored by U. G. C. New Delhi. 1991.
2. Ecology of Himalayan Black Bear (*Selenarctos thibetanus*) at Dachigam National Park. under the scheme 'Support Research" 1987.
3. Study on the Bio-ecology of hangul deer, *Cervus elaphus hanglu* Wagner and its relationship with the predators at Dachigam National Park, Kashmir. DST New Delhi sponsored Research Project Govt. of India, 2003.
4. Studies on culture and diet formulation of endemic Fish, *Schizothorax niger* Heckel 1838 in the water bodies of Kashmir. Submitted for funding to DST New Delhi, 2018.

Other Activities:

1. Chairman / Member Coordinator of Peer Team of National Assessment & Accreditation Council, Bengaluru for assessing and accreditation of Universities and Colleges in the country.

2. As Resource Person of the Refresher Courses in Zoology, organized by the Academic Staff College, University of Kashmir from time to time since April 1989.
3. Regularly delivering special lectures to PG students of the Department of Wildlife and Ornithology, Aligarh Muslim University, Aligarh
4. Delivering special lectures to M.V.Sc. students of the S.K. University of Agriculture Sciences & Technology, Shalimar, Srinagar on Wildlife Management and Conservation.
5. Member Advisory Committee of Board of Professional Entrance Examination constituted by the State Govt. to formulate policies regarding selection of candidates to various professional courses.
6. Expert member Board of Post graduate and Under graduate Studies. A.M.U.
7. Member Board of Post Graduate and Under Graduate studies, Amity University, Noida.
8. As an Expert in the selection of faculty positions to a number of Universities.
9. Member/Discussant of Biodiversity Studies – Road Map, Baba Ghulam Shah Badshah University, Rajouri.
10. Director, National Seminar : “**Science for Shaping the Future of India : Faunal Diversity- Challenges and Opportunities**” in collaboration with Indian Science Congress Association from 19-21st November, 2012 at University of Kashmir
11. Expert Member, Jammu and Kashmir State Biodiversity Board w.e.f. February, 20th 2013
12. **Convener:** Two Day Seminar-cum-Workshop for College Principals and Academic Administrators on “Management Development in Higher Education” 29-30 Jan. 2013 University of Kashmir.
13. **Convener of the Seminar on Environment and Education** 25th -26th May 2013 organized during Dara Shikoh Festival, Karan Niwas, Srinagar.
14. Advisory member College Development Council, Jammu University.
15. Co-Chairman of the Equivalence Committee to examine grant of equivalence to various courses of graduate and post-graduate courses, Univ. of Kashmir.

16. Chairman of the committee to scrutinize the cases of college teachers for award of Teacher Fellowship for pursuit of Ph.D. program under FDP Scheme.
17. Chairman, Central Purchase Committee, University of Kashmir.
18. Member, Record Re-building Committee, University of Kashmir.
19. Chairman, “Srinagar Chapter” of Indian Science Congress Association, Kolkata.
20. Advisory Member SACON (Salim Ali Centre of Ornithology & Nature Conservation), Coimbatore under Ministry of Environment & Forests, Govt. of India, New Delhi

Honours & Awards:

Honored with most coveted Institutional and globally reputed Presentation/Award of “**SHIKSHA RATTAN PURASKAR**” and along with “**CERTIFICATE OF EXCELLENCE**” for meritorious services, outstanding performance and remarkable role, by **General (Retd) J. J. Singh, Former Chief of the Army Staff and Former Governor of Arunachal Pradesh; Dr. Bishminarayan Singh, Former Governor of Tamil Nadu and Major Ved Prakesh, Member, All India Congress Committee** on 24th August, 2013 at **India International Center Multipurpose Hall Max Muller Marg, New Delhi**



Prof. (Dr.) G. Mustafa Shah Honoured

Academic/Research related Foreign Visit:

1. Participated and presented papers in an International Symposium on "Wetlands and Waterfowl Conservation in South and West Asia" organized by IWRB, London and Govt. of Pakistan in Karachi. 1991.
2. Participated and presented paper in International Wildlife Education Symposium-2007 organized by International Wildlife Rehabilitation Council, U.S.A. at Dallas, Texas, U.S.A. from 18-22, Jan. 2007
3. Special Lecture on "*Biodiversity of Jammu & Kashmir State with special reference to Birds and Mammals*" delivered at Dhaka University, Bangladesh. January, 2016.

Publications:

A). **No. of Books Written:** The following books have been written and are in final stages of publishing:

1. Food and Feeding Behavior of Waterfowl.
By G. Mustafa Shah and Ulfat Jan
2. Wetland Avifauna of Kashmir.
By G. Mustafa Shah and Ulfat Jan
4. A Glossary of Terms in Biological Sciences.
By G. Mustafa Shah and Ulfat Jan
5. Quiz Book In Zoology
By G. Mustafa Shah and Ulfat Jan
6. Birds of Kashmir University Campus
By G. Mustafa Shah and Ulfat Jan, Mehjoor Printers & Publishers, 2019

B). **No. of Papers published/accepted for publication:**

1. Winter diets of Hangul Deer, *Cervus elaphus hanglu* Wagner at Dachigam National Park, Kashmir. *J. Ind. Inst. Sc.*, 64: 73-81, 1983.
2. Food of Greylag goose, *Anser anser* L. (Anseriformes : Anatidae). *J. Ind. Inst. Sc.*, 64(12) : 179- 187, 1983.

3. Food of Mallard, *Anas platyrhynchos* at Hokarsar Wetland Kashmir. *Bom. Nat. Hist. Soc.* 85(2): 325-331, 1988.
4. Hydrobiological features of Hokarsar wetland, Kashmir-1 Biotope. *J. Indian Ecology*, 11(2) : 203-206, 1985.
5. Hangul (*Cervus elaphus hanglu*) at Dachigam National Park. *Sc. Rep.* 469-470, July 1986.
6. Limnology of two trout streams of Kashmir. *J. Ind. Inst. Sc.*, 63: 137-141, 1981.
7. Limnological survey of some fresh water bodies of Kashmir. *Research Journal Kash. Univ.*, 3, 1983.
8. Crustacean communities of fresh waters of Kashmir. *J. Ind. Inst. Sc.*, 64: 83-89, 1983.
9. Some limnological aspects of Mirgund wetland, Kashmir. *Geobios New Reports*, 5:27-30, 1986.
10. Comparative Limnology of some fresh water bodies of Kashmir. *Geobios New Reports*, 7: 58-61, 1988.
11. Status of Waterfowl in Kashmir Valley. Proc. Youth Leader Training Course on Environmental Studies and Conservation. 6th - 10th September, 1986. pp9.
12. Save the Wetlands. *Kash. Environ. Soc.*, 1(1) : 1983.
13. Position of Snow Leopard in Ladakh. *J. Sc. Rep.*, 442 pp., 1985.
14. Species composition and population density of Macrozoobenthos in Dal Lake. *Oriental Sci.*, Vol 7, No(1), 35-40, 2002
15. Causes of decline of critically endangered hangul deer in Dachigam National Park, Kashmir (India): A review. *International Journal of Biodiversity and Conservation*, 3(14): 735-738
16. Studies on the corpuscles of Stannius (CS) of a fresh water Teleost, *Glossogobius giuris*. *Ind. J. Phy. Nat. Sc.*, 10(Sec-A) 1990

17. Species Composition and Population Dynamics of Birds of Hokarsar Wetland, Kashmir. *In: Environment, Conservation and Biodiversity* (Ed. M. A. Khan) 2000, A.P.H. Publ. New Delhi.
18. Feeding ecology of winter visiting waterfowl at Hokarsar, Kashmir. *Proc. Wetland Ecology and Management*, 12pp, 1990, Bharatpur.
19. Physico-chemical and biological characteristics of Hokarsar Wetland, Kashmir *Fish and their Environment*. p 95, No. 123, 1989.
20. Distribution and abundance of Gastropoda in Dal Lake Kashmir. *Fish and their Environ.*, p 94, HAP 122, 1989.
21. Effect of Physico-chemical factors on the distribution and abundance of Macrozoobenthos in Dal Lake. *Proc. 5th Nat. Symp. on "Fish and their Environment"* July, 1999.
22. Nutrient trapping efficiency of Hokarsar wetland, Kashmir. *IN. "Advances in Fisheries, Wildlife & Ecology and Biology"* Ed. B. L. Koul 2006
23. Ulfat Jan, G. Mustafa Shah and Bashir A. Mir (2006) Conservation and management of Ecologically degraded Wular lake. *In "Advances in Fisheries, Wildlife & Ecology and Biology"* Ed. B. L. Koul pp 95-100
24. G. Mustafa Shah, Ulfat Jan, M. F. Fazili and M. K. Raina (2006) A study of reproductive biology of Little Bittern, *Ixobrychus minutus minutus* (Linnaeus) Kashmir. *"Advances in Fisheries, Wildlife & Ecology and Biology"* Ed. B. L. Koul vol. 4, pp 123-134.
25. G. Mustafa Shah Ulfat Jan, and Fayaz A, Ahangar (2006) Management of wetlands of Kashmir for waterfowl population. *"Advances in Fisheries, Wildlife & Ecology and Biology"* Ed. B. L. Koul vol. 4, pp 148-158.
26. Seasonal variation of glucose level in *Schizothorax esocinus* and *Schizothorax curvifrons*. *Indian Journal of Applied & Pure Biology*, 2007, 22(333-336).
27. Observations on food and feeding habits of an endemic fish, *Schizothorax curvifrons* Heckel. *Ind. J. of Appl. & Pure Biology* 23, 89-90, 2008.
28. Length weight relationship, food habit and fecundity of *Schizothorax esocinus* in cold water bodies of Kashmir valley. *"Science for Better Tomorrow"* 2008, 473-476, 2008

29. Effect of different combinations of feed ingredient on the growth and survival rate of *Schizothorax curvifrons* in captivity. "Science for Better Tomorrow" 2008, 477-480, 2008
30. Prenesting behaviour and nest characteristics of Little Bittern, *Ixobrychus minutus minutus* at Hygam wetland, Kashmir. *Oriental Sci.*, 6(2).
31. Seasonal abundance of waterfowl at Hokarsar wetland, Kashmir. *Oriental Sci.*, Vol. 5 No.2. July 2000, 41-48.
32. Breeding Biology of Indian Moorhen, *Galinulla chloropus indicus*. Part-I. *J. Bombay nat. Hist. Soc.*, 6
33. Breeding Biology of Indian Moorhen, *Galinulla chloropus indicus*. Part-II. *IBID.*, 6
34. Breeding Biology of Indian Moorhen, *Galinulla chloropus indicus*, Part-III. *IBID*, 6
35. Anthropogenic impacts and management strategy of Dal lake in Kashmir. *Proceeding International Workshop on Urban Lakes Conservation and Management*. Hyderabad 2005, pp113-116.
36. Some ecological factors effecting the distribution of brown trout, *Salmo trutta fario* in Lidder stream. *Proc. Nat. Workshop on Trout Farming*, Shimla, 2004.
37. Common langur, *Seminopithecus entellis* at Dachigam National Park, Kashmir. A preliminary Survey. In. *Interdisciplinary Approaches in Zoological research*. 2003
38. Some observations on the biology of *Schizothorax curvifrons* from river Jhelum. *Ibid*.
39. Survey of Macrozoobenthic community of Hygam wetland, Kashmir. *Ibid*
40. Effect of fertilizer use on the ecology of Wular lake, Kashmir. HUDA, Hyderabad.
41. A study on the annual cycle of Indian little grebe, *Podiceps ruficollis capensis* (Salvador) at Wular lake, Kashmir. *Interdisciplinary Approaches in Zoological Research*, 2003.
42. Feeding habits, habitat preferences and activity patterns of common Kashmir lizard, *Agama tuberculata* Gray. *J. Bom. Nat. Hist. Soc.* (in press)

43. Breeding biology of Pheasant tailed jacana, *Hydrophasianus chirurgus* at Wular lake, Kashmir, *African J. Biological Sci.* (in press)
44. Habitat selection of hangul deer, *Cervus elaphus hanglu* Wagner at Dachigam national Park, Kashmir. *Interdisciplinary Approaches in Zoological Research*, 2003
45. Winter diets of common langur, *Semnopithecus entellis* at Dachigam National Park, Kashmir. *Ibid.*
46. Some aspects of nesting biology of little grebe, *Tachybaptus rufficollis* at Wular lake, Kashmir. *J. Indian Birds*”
47. Problems encountered in the management and conservation of hangul deer, *Cervus elaphus hanglu* Wagner at Dachigam National Park, Kashmir. “*Science for Better Tomorrow*” 547-554, 2008,
48. Nesting of mallard, *Anas platyrhynchos* at Anchar lake, Kashmir. “*Science for Better Tomorrow*”531-536, 2008.
49. Breeding biology of common Kashmir lizard, *Agama tuberculata*. “*Science for Better Tomorrow*”537-542, 2008.
50. Food and feeding habits of brown trout, *Salmo trutta fario* in Ferozpur and Sindh stream, Kashmir. *Ibid.*
51. Study on some aspects of breeding biology of *Schizothorax niger* Heckel. *Ibid.*
52. Foraging site selection of shoveller, *Anas clypeata* at Hokarsar wetland, Kashmir-1 Role of mollusks. *Indian J. of Applied & Pure Biology*, vol. 23(1), 131-137, 2008.
53. Fishery production and its health management in India. In *Proc. Nat. Training Programme on Experimental Parasitology, Molecular Biology and Immuno-Diagnostics*. Pp 3, 2005.
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G. Mustafa Shah