

Curriculum Vitae

MOHAMMAD ABDUL HANNAN KHAN

Present position: Assistant Professor
Department of Zoology
School of Biosciences and Biotechnology
BGSB University, Rajouri, J&K
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Education:

1. Ph.D. Zoology (Parasitology)

Aligarh Muslim University (Awarded- June 2016)

Thesis Title: “Immunodiagnostic and immunopharmacological studies on copro-antigens of *Fasciola gigantica* and *Gigantocotyle explanatum*”.

Advisor: Prof. S. M. A. Abidi (Aligarh Muslim University).

Thesis Examiners: **Internal -** Dr. S. C. Gupta (Principal Scientist (Retd), IVRI, Izatnagar, Bareilly, INDIA),

External - Prof. R. E. B. Hanna (AFBI, Belfast, UK).

2. Master of Science – Zoology (Specialization in Parasitology).

Aligarh Muslim University (1st Division) – 2009

3. Bachelor of Science (Hons) – Zoology

Aligarh Muslim University (1st Division) – 2006

Administrative Experience:

Worked as **Assistant warden** (From 10th September, 2016 to 28th March 2018) in Allama Iqbal hostel of Sir Syed Hall, BGSB University, Rajouri, Jammu & Kashmir, India.

Teaching Experience: Four years at University Level

1. **Assistant Professor** (contractual): From 2nd Sept 2016 to 31st May 2017.
2. **Assistant Professor** (contractual): From 2nd Aug 2017 to 11th Sept 2017.
3. **Assistant Professor** (Permanent): From 12th Sept 2017

Research Experience: Four years at University Level

Research (Ph.D. and M.Phil)/M.Sc. Dissertation Supervision:

S.No.	Degree	Enrolled	Awarded
01	Ph.D.	02	-
02	M.Phil.	02	-
03	M.Sc. Dissertations	15	15

Research Grant received as Principal Investigator:

S.No.	Title	Agency	Period	Amount (Rs.)
01	Evaluation of anthelmintic properties of ethno-medicinal plants, used by Gujjar and Bakarwal tribes of Pir Panjal range of Jammu and Kashmir, against the animal parasitic disease, fasciolosis and amphistomiasis.	University Grant Commission	2019-2020	1000000 (10 Lakh)

Research Grant received as Co-Principal Investigator:

S. No.	Title	Agency	Period	Amount (Rs.)
01	Investigating the quality of supplied drinking water in Rajouri city as probed by sources and degree of pollution of various water resources of the district.	TEQIP-III	01 Year (2020)	300000 (03 Lakh)

Honours and awards:

1. **First prize** in poster presentation at TROPACON (UP & UK Chapter)- 2016 in 2nd UP & UK Chapter Indian Academy of Tropical Parasitology (IATP) held at Department of Microbiology, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh on 9th April 2016.
2. **First Prize** in Oral presentation at 28th National Congress of Parasitology organised by ICMR-National Institute of Traditional Medicine with Dept. of Public Health & Microbiology-22nd-24th Feb 2018

Hands on training/ Technical proficiency:

1. BD FACS orient (BD LSR2), a course in **Flow Cytometry** basics. 20 may 2013 – 22 may 2013.
2. Obtained Hands on training on “**PROTEOMICS AND GENOMICS**” from G-Bioscience laboratory Noida, During November and December 2010.

Workshops /User's Awareness Programs:

1. Attended The Govt of India, Ministry of Micro, Small and Medium Enterprises, MSME- Development Institute, Jammu organized “Intellectual Property Right awareness programme” held on 6th Oct 2016 at Baba Ghulam Shah Badshah University, Rajouri, Jammu and Kashmir, India.
2. Attended The Wellcome Trust/DBT India Alliance organized “Science Communication Workshop” held on 26th March 2015 at Aligarh Muslim University, Aligarh, India.
3. Participated in One-Day Shodhganga User's Awareness Program jointly organized by Maula Azad Library, A. M. U. Aligarh in collaboration with INFLIBNET Centre on 7th December, 2013.
4. Attended national workshop organised by The National Academy of Sciences, INDIA on “Scientific/Research Paper Writing” held on 05-07 April 2013 at Mohan Lal Sukhadia University, Udaipur, INDIA.
5. Attended RNAi workshop organized by Department of Zoology, AMU Aligarh.

Seminars /workshops/ Events organized:

1. Organised “Jal Shakti Abhiyan, Session 2019-2020,” as **Co-Nodal Officer** in BGSB University, Rajouri.

2. **Organising committee member:** BBSRC-UK-CIDLID sponsored International symposium and workshop on “The control of helminth parasites with emphasis on liver fluke” and “liver fluke: an RNAi workshop” (February 11-12, 2013) Aligarh (UP) India.
3. Lead the **editorial board** of abstract book: BBSRC-UK-CIDLID sponsored International symposium and workshop on “The control of helminth parasites with emphasis on liver fluke” and “liver fluke: an RNAi workshop” (February 11-12, 2013) Aligarh (UP) India.

Conferences /Seminars /Symposiums/Events:

1. Attended NMHS sponsored National Seminar on “Entomology: Issues and Opportunities” held at Department of Zoology, BGSB University, Rajouri on 29th-30th July, 2019.
2. Attended NMHS sponsored National Workshop on “Apiculture as an Entrepreneurship Development Idea” held at Department of Zoology, BGSB University, Rajouri on 15th April 2019.
3. Paper presentation at 28th National Congress of Parasitology held at ICMR, NITM & KAHER, Belagavi, Karnataka on 22nd-24th Feb 2018.
4. Poster presentation at TROPACON (UP & UK Chapter)- 2016 in 2nd UP &UK Chapter Indian Academy of Tropical Parasitology (IATP) held at Department of Microbiology, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh on 9th April 2016.
5. Attended UGC, DBT & DST sponsored National Symposium Cum Workshop on “New Facet of Biotechnology: From Genes to Proteins” held at Interdisciplinary Biotechnology Unit, A.M.U. Aligarh, during January 15-17, 2014.
6. Attended International Symposium & Workshop on “The Control of Helminth Parasites with Emphasis on Liver Fluke” & “Liver Fluke: an RNAi Workshop” at Aligarh Muslim University. During February 11-12, 2013.
7. Attended the First Annual National Symposium of the Muslim Association for the Advancement of Science on “Frontiers in Life Sciences: Basic and Applied at Aligarh Muslim University, Aligarh. During October 23-24, 2010.
8. Attended National Symposium on “Parasite Taxonomy, Biodiversity and Fish Health: Environmental Impact” at Andhra university. During March 12-13, 2010.

9. Attended National Seminar on “Parasitology Today: From Ecology to Molecular Biology”-20th National Veterinary Parasitology held at C.C.S. Haryana Agricultural University, Hissar, Haryana. During February 18-20, 2010.

Session Chaired in Seminars/Conferences: ONE (01)

Published Research Papers:

1. Rehman A., Rehman L., Ullah R., **Khan M. A. H.** and Abidi S. M. A., 2021. Oxidative status and changes in the adenosine deaminase activity in experimental host infected with tropical liver fluke, *Fasciola gigantica*. **Acta Tropica**, Volume 213, Article 105753.
2. Rehman A., Ullah R., Beg M. A., **Khan M. A. H.** and Abidi S. M. A., 2020. Glutathione-S-transferase: an important diagnostic antigen of liver amphistome *Gigantocotyle explanatum*, infecting the Indian water buffalo. **Acta Tropica**, Volume 205, Article 105400.
3. Rehman A., Ullah R., Gupta D., **Khan M. A. H.**, Rehman L., Khan A. U. and Abidi S. M. A., 2020. Generation of oxidative stress and induction of apoptotic like events in curcumin and thymoquinone treated adult *Fasciola gigantica* worms. **Experimental Parasitology**. Volume 209, Article 107810.
4. Rehman L., Ullah R., Rehman A., Beg M. A., Wasim S., Farhat F., Shareef P. A. A., **Khan M. A. H.** and S. M. A., 2019. *Fasciola gigantica*: experimental infection of intermediate host, metacercarial excystation and surface topography of in vitro emerged juvenile. **Indian Journal of Helminthology**, Volume 37, Pages 01-14.
5. Rehman A., Ullah R., Jaiswal N., **Khan M. A. H.**, Rehman L., Beg M. A., Malhotra S. K. and Abidi S. M. A., 2017. Low virulence potential and in vivo transformation ability in the honey bee venom treated *Clinostomum complanatum*. **Experimental Parasitology**, Volume 183, Pages 33-40.
6. **Khan M. A. H.**, Ullah R., Rehman A., Rehman L., Shareef P. A. A. and Abidi S. M. A., 2017. Immunolocalization and immunodetection of the excretory/secretory (ES) antigens of *Fasciola gigantica*. **PLOS ONE**.
7. Rizwan Ullah, Abdur Rehman, Mohd Faraz zafeer, Lubna Rehman, Khan, Yasir A., **Khan, M. A. H.**, Khan, Shahper N., Khan Asad U. and Abidi, S.M.A., 2017. Anthelmintic Potential of Thymoquinone and Curcumin on *Fasciola gigantica*. **PLOS ONE**.
8. **Khan, M.A.H.**, Shareef, P.A.A., Abdur Rehman, Rizwan Ullah, Lubna Rehman and Abidi, S. M. A., 2016. Genotoxic potential of *Fasciola gigantica* infection in experimentally infected rabbits. **Journal of Parasitic Diseases**. Volume 41, Pages

423-428.

9. Shareef, P.A.A., Brennan, G.P., McVeigh, P., **Khan, M.A.H.**, Morphey, R.M., Mousley, A., Marks, N.J., Saifullah, M.K., Brophy, P.M., Maule, A.G. and Abidi, S.M.A., 2014. Time-dependent tegumental surface changes in juvenile *Fasciola gigantica* in response to triclabendazole treatment in goat. **Acta Tropica**. Volume 136, Pages 108–117.
10. Khan, Yasir A., **Khan, M.A.H.** and Abidi, S.M.A., 2014. 2D-PAGE analysis of the soluble proteins of the tropical liver fluke, *Fasciola gigantica* and biliary amphistome, *Gigantocotyle explanatum*, concurrently infecting *Bubalus bubalis*. **Journal of Parasitic Diseases**. Volume 40, Pages 910-913.

Published Research Abstracts:

1. **Khan, M. A. H.**, Shareef, P. A. A., Khan, Y. A., Rehman, A., Ullah, R. and Abidi, S. M. A., 2016. Genotoxic potential of *Fasciola gigantica* infection in experimentally infected rabbits. 27th Annual Meeting of the German Society for Parasitology, Göttingen, **Germany**. Page 108.
2. **M.A.H. Khan**, Yasir A. Khan, Ahammed Shareef P.A., Rizwan Ullah, Abdur Rehman, S.M.A. Abidi (2014) Cysteine protease profile of Excretory/Secretory products of *Fasciola gigantica* and *Gigantocotyle explanatum* infecting *Bubalus bubalis*. UGC, DBT & DST sponsored National Symposium Cum Workshop on “New Facet Of Biotechnology: From Genes To Proteins” held at Interdisciplinary Biotechnology Unit, A.M.U. Aligarh, during January 15-17, 2014.
3. P. A. Ahammed Shareef, Yasir A. Khan, **M.A.H. Khan**, Abdur Rehman, Rizwan Ullah, S.M.A. Abidi, 2013. Scanning electron microscopic observation on the *in vitro* excysted juveniles of *Fasciola gigantica*. ALIGARH NANO, Conference on Nanoscience and nanotechnology, Department of Applied Physics, A.M.U. Aligarh.
4. P. A. Ahammed Shareef, **Khan M. A. H.**, Yasir A. Khan, M.K. Saifullah and S.M.A. Abidi, 2013. Histopathological effect of *Fasciola gigantica* infection on rabbit liver and *Lymnaea auricularia*. International symposium and workshop on the control of helminth parasites with emphasis on liver fluke and liver fluke: an RNAi workshop, A.M.U., Aligarh, India, Page 41.
5. P. A. Ahammed Shareef, **M. A. Hannan Khan**, Yasir A. Khan, M. K. Saifullah and S.M.A. Abidi, 2013. *Fasciola gigantica*: biology and laboratory establishment of life cycle. International symposium and workshop on the control of helminth parasites with emphasis on liver fluke and liver fluke: an RNAi workshop, A.M.U., Aligarh, India, Page 14-16.

6. Wilkinson, T., Morphew, R. M., Shareef, P. A. A., **Khan, M. A. H.**, Saifullah, M. K., Abidi, S. M. A., Ravikumar, G., Raman, M., McVeigh, P., Maule, A. G. and Brophy, P. M., 2012. Assessing Population Variation of Vaccine Candidates in *Fasciola gigantica*. British Society for Parasitology Spring meeting, University of Glasgow, **U.K.** Page 230.

Scientific/Academic society membership:

1. American Society of Parasitology (ASP), USA.
2. International Society for Infectious Diseases (ISID), USA.

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