

Curriculum Vitae (CV)

Dr. Ali Asghar Shah, M.Phil, Ph.D. FZSI, FIASN

Personal Details:

Father's Name: Sayed Sadiq Hussain Shah

Nationality: Indian

Sex: Male

Mailing address: Nematode Genomics Research lab,
Department of Zoology, School of Biosciences &
Biotechnology, Baba Ghulam Shah Badshah University,
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Present Status :

Head / Associate Professor at Department of Zoology, School of Biosciences and Biotechnology, BGSB University, Rajouri-185131

Positions held:

1. **Dean Students' Welfare (DSW)** at BGSB University Rajouri w.e.f. 15.03.2024 to till date.
2. **Associate Dean Academic Affairs** at BGSB University Rajouri w.e.f. 09.05.2023 to 31.01.2025.
3. **Associate Dean of School of Biosciences & Biotechnology** at BGSB University Rajouri w.e.f. 18.02.2022 to till date.
4. **Associate Dean of School of Engineering & Technology** at BGSB University, Rajouri w.e.f. 30.08.2023 to till date.
5. **Associate Dean of School of Mathematical & Computer Sciences** at BGSB University, Rajouri w.e.f. 30.08.2023 to till date.

6. **Associate Dean of School of Material Sciences & Nanotechnology** at BGSB University, Rajouri w.e.f. 30.08.2023 to till date.
7. **Associate Dean of School of Education** at BGSB University, Rajouri w.e.f. 30.08.2023 to 16.02.2024.
8. **Associate Dean of School of Management Studies** at BGSB University, Rajouri w.e.f. 16.02.2024 to 17.02.2025.
9. **Associate Dean of School of Social Sciences** at BGSB University, Rajouri w.e.f. 16.02.2024 to 17.02.2025.
10. **Director Centre for Hospitality and Tourism** at BGSB University, Rajouri w.e.f. 16.02.2024 to 24.02.2025.
11. **Officer Incharge University Works Wing** at BGSB University Rajouri w.e.f. 15.03.2024 to 24.02.2025.
12. **Associate Dean of Students** at BGSB University Rajouri w.e.f. 18.02.2013 to 14.03.2024.
13. **Chairman Recruitment Cell** at BGSB University Rajouri w.e.f. 25.11.2021 to till date.
14. **Coordinator PG Programme in Gojri and Pahari** at BGSB University Rajouri w.e.f. 16.02.2024 to 03.03.2025.
15. **Officer Incharge University Works Wing** at BGSB University Rajouri w.e.f. 27.07.2022 to 09.05.2023.
16. **Officer Incharge University Health Centre** at BGSB University Rajouri w.e.f. 20.09.2022 to 09.05.2023.
17. **I/c librarian Central library** at BGSB University Rajouri w.e.f. 13.04.2022 to 09.05.2023.
18. **Scientist** at School of Biosciences and Biotechnology, BGSB University Rajouri w.e.f. 22.08.2007 to 27.10.2009.
19. **Reader** at School of Biosciences and Biotechnology, BGSB University Rajouri w.e.f. 28.10.2009 to 27.10.2012.
20. **Associate Professor** at School of Biosciences and Biotechnology, BGSB University Rajouri w.e.f. 27.10.2012 to till date
21. **Provost Sir Syed Hall of Residence** at BGSB University w.e.f. 02.12.2015 to 09.04.2018.
22. **Provost Fatima Zahra Hall of Residence** at BGSB University w.e.f. 02.12.2015 to 09.04.2018.

23. **Coordinator Zoology** 2014 to 2018

24. **Coordinator Biotechnology** 2017 to 2018

Collaboration with scholars abroad:

Natalie Farny, WPI, Worcester, MA, USA.

Zafar A. Handoo, USDA ARS Nematology Laboratory, Bldg. 010A, Rm. 111, BARC-West, 10300 Baltimore Avenue, Beltsville, MD 20705, USA

M. Rafiq Siddiqi, Nematode Taxonomy Laboratory, 24 Brantwood Road, Luton, LU1 1JJ, England, U.K.

Member of Apex Bodies of the Universities:

1. Member Executive Council of BGSB University, Rajouri w.e.f. 15.03.2024 to till date.
2. Member Academic Council of Shere-e-Kashmir University of Agricultural Sciences & Technology of Kashmir w.e.f. 16.01.2024 to till date.
3. Member Academic Council of BGSB University, Rajouri w.e.f. 15.03.2024 to till date.

Academic Qualifications:

Ph.D	Aligarh Muslim University, Aligarh, India	2005	Zoology
M. Phil	Aligarh Muslim University, Aligarh, India	2002	Zoology
M.Sc	Aligarh Muslim University, Aligarh, India	1999	Zoology
B.Sc	University of Jammu, India	1997	Zoology

Research Experience:

Twenty six years as on date i.e. March, 2025

Teaching Experience:

Twenty four Years of Post graduate teaching at University Level as on date
i.e. March, 2025

Research Guidance:

S. No.	Number enrolled	Thesis submitted	Degree awarded
Ph.D.	08	03	13
M.Phil.	-	-	05

Research Grants Received as Principal Investigator:

S. No.	Title	Agency	Period	Grant/Amount mobilized (Rs. In lakhs)
1	Development of DNA Barcode for the rapid identification of Rhabditid Nematodes.	Department of Biotechnology (DBT), Govt. of India, New Delhi	2014-2017	Rs. 43.25 lakhs
2	Studies on ecology and diversity of nematodes of Pir Panjal range in Jammu and Kashmir	Ministry of Environment and Forests, Govt. of India, New Delhi	2012 - 2015	Rs. 31.17 lakhs
3	Studies on the Biodiversity of nematodes of Alpine and sub-alpine zones of Himalayan range in Jammu and Kashmir	Department of Science and Technology (DST), Govt. of India	2008 - 2011	20.40 lakhs
4	Capacity building programme (All India Coordinated project on Taxonomy of Helminths and Nematodes)	Ministry of Environment and Forests, Govt. of India	2009- 12	Rs. 26.06 lakhs
5	Studies on Nematodes of Forest trees of Pir Panjal Biodiversity Park.	GBPHED Kosi-Katarmal, Almora, Uttarakhand, India	2010-13	8.35 lakhs

Submitted Research Projects for funding:

1. Ecomonitoring status of Biodiversity in Nanan Sar lake of Pir Panjal range in Jammu and Kashmir. (Rs. 76 .5 lakhs)
2. Studies on Faunal diversity of cold deserts in Jammu and Kashmir. (Rs. 1.54 crore)

New Genera described:

1. *Loffienema dhanoriensis* gen. n., sp. n.
2. *Quercorhabditis rajouriensis* gen. n., sp. n.
3. *Kashmira dimorphicauda* gen. n., sp. n.
4. *Stegorhabditis abursata* gen. n., sp. n.
5. *Distorhabditis poonchiana* gen. gen., n. sp.
6. *Sclerorhabditis tridentatus* gen. n., sp. n.
7. *Metarhabditis andrassyana* gen.n., sp.n.

New species described: 32

Invited Lectures Delivered:

S. No	Title of Paper presented	Year	Title of Conference/ seminar	Organized by
1	Genome organization and Gene Structure in <i>Caenorhabditis elegans</i> .	2019	3 rd National conference on “Recent Trends in Sciences, Social Sciences and Humanaties”.	Government Post Graduate College, Rajouri, Jammu and Kashmir, India.
1	Nematodes as indicators of Environmental changes	2016	National Conference on Environmental Impact on health and its Management: Ecofriendly strategies and XXVII All India Congress of Zoology	Department of Zoology, Centre for advanced studies, University of Rajasthan, Jaipur in collaboration with Zoological Society of India.
2	Role of Molecular markers in nematode taxonomy	2016	National Conference on Trends in healthcare and Biotechnology: opportunities and challenges	P.G. and Research department of zoology and Biotechnology at AVVM Sri Pushpam College, Poondi, Thanjavur, Tamil Nadu
3	Studies on diversity and	2016	National Conference on Impact of climate change	Department of Zoology, Mizoram University, Aizawl,

	ecology of Mononchid nematodes of J&K		on Biodiversity: Application of recent technologies for conservation of threatened species	Mizoram
4	Role of DNA based markers in nematode taxonomy	2015	National Conference on Science and technology for indigenous development in India	Indian Science congress association-Bangalore Chapter in association with Indian Society of Life Sciences and M. S. Ramaiah College of Arts, Science and Commerce, Bengaluru
5	Studies on Free-living nematodes of India	2015	National conference on Innovations in Life sciences for sustainable development.	Department of Biochemistry, T.S Narayanaswami College of Arts and Science, Navalur, Chennai.
6	Molecular diversity of few species of some rhabditid nematodes using RAPD Markers.	2014	International Conference on Faunal diversity and their conservational strategies.	Department of Zoology, University of Lucknow.
7	Development of DNA barcode for rapid identification of nematodes	2011	National Seminar on Recent trends in Environmental Toxicology	School of Enzymology and environmental toxicology, PG and Research department of Zoology, Sir Theagaraya College, Chennai

Seminar/conference Attended:

International

S. No	Title of Paper presented	Year	Title of Conference/Seminar	Organized by
1	THE SOIL NEMATODES Their economical and ecological importance	2010	International conference on The key role of Life Sciences for sustainable development in the World	Department of Life Sciences, Hindustan College of Arts and Science, Chennai

National

S. No	Title of Paper presented	Year	Title of Conference/seminar	Organized by
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1	Diversity and ecology of Rhabditid Nematodes of Jammu and Kashmir	2016	National Conference on Environmental Protection and Sustainability	PG and Research department of Zoology, Sir Theagaraya College, Chennai
2	Nematodes as Limiting Factors in Agricultural Productivity	2016	National Conference on Tangible benefits of Marine Biotechnology Research in Food, Health, energy and Industrial sectors	Hindustan College of Arts and Science, Chennai
3	Development of DNA Barcode for Rapid Identification of Rhabditid Nematodes.	2015	102 nd Science Congress	University of Mumbai, Mumbai
4	Some studies on nematodes of Pir Panjal Biodiversity Park, J&K	2015	National conference on Innovations in Life sciences for sustainable development.	Department of Biochemistry, T.S Narayanaswami College of Arts and Science, Navalur, Chennai.
5	Studies on Rhabditid nematodes of DKG forests of Jammu and Kashmir.	2014	National Seminar on Science and Technology for Human development.	Department of Zoology, DG and DAV Colleges, Kanpur.
6	Some ecological studies on Nematodes of Rajouri district, Jammu and Kashmir.	2014	National Seminar on “Threats to Biodiversity and Ecosystems”.	Department of Zoology and Environmental Science, GKV, Haridwar.
7	Molecular diversity of few species of Mesorhabditinae using RAPD Markers	2014	National seminar on Biodiversity: Sustainable development and conservation	Department of Zoology, University of Jammu.
8	Characterization of some free-living Nematodes of Pir Panjal	2014	101 st Indian Science Congress	University of Jammu

	Range in Jammu and Kashmir Using RAPD Markers			
9	Taxonomic studies on Rhabditid nematodes of Poonch district, Jammu and Kashmir.	2013	24 th All India congress of Zoology	University of Kalyani, Kalyani, West Bengal.
10	Molecular comparison of bacteriovorus nematodes using Randomly Amplified Polymorphic DNA (RAPD) markers	2013	Global warming: Health Hazards and Mitigation Strategies	Indian Academy of Science and Nature, Agra
11	Molecular characterization of <i>Cuticularia oxycerca</i> using RAPD Markers	2012	23 rd All India Congress of Zoology and national conference on Conservation and management of Faunal resources	Department of Zoology and Biotechnology, GNC, Chennai
12	Biodiversity of Nematode Meiofauna of India	2011	National Conference on Marine Biodiversity for New biotechnological Applications	Department of life Sciences, Hindustan College of Arts and Science, Chennai
13	Nematodes as Biological Models	2011	National Congress on Bioscience Research	Ethiraj College for Woman, Chennai
14	Biodiversity of Freelifving nematodes of Jammu and Kashmir	2011	22 nd All India Congress of Zoology and National Seminar on Recent advances in Biological Sciences: Biodiversity and human welfare	Department of Zoology, University of Lucknow, Lucknow.
15	Studies on nematodes of Alpine and sub-alpine zones of Himalayan range in Jammu and Kashmir	2009	20 th All India Congress of Zoology and National Seminar on Bioresources and its Management for Food, livelihood and Environmental security and National	Central institute of fisheries education, Versova, Mumbai

			Helminthological congress	
16	Studies on Rhabditid nematodes of Jammu and Kashmir	2009	21 st National congress of Parasitology “Education and research in Parasitology in the Service of Mankind	Department of Zoology, Punjab University. Chandigarh
17	Importance of nematodes in the Himalayan Biodiversity of Jammu and Kashmir range	2007	18 th All India Congress of Zoology and National Seminar on current issues on Applied Zoology and Environmental Science with special reference to Eco11restoration and Management of Bioresources.	Jointly organized by University of Lucknow, Lucknow and Dr. B. R. Ambedker University, Lucknow.
18	Observations on the diversity and ecology of the Rhabditid nematodes in India	2001	15 th National Congress of Parasitology	Desert Regional Station, Zoological Survey of India, Jodhpur Rajasthan
19	A comparative study on two genera of Mesorhabditinae (Rhabditida)	2000	14 th National Congress of Parasitology	ICGEB, New Delhi

Regional

S. No	Title of Paper presented	Year	Title of Conference/ seminar	Organized by
1	Molecular Characterization of some Rhabditid Nematodes of Pir Panjal Range in Jammu and Kashmir Using Randomly Amplified Polymorphic DNA Markers.	2013	Ninth JK Science Congress	University of Kashmir
2	Observations on the diversity and ecology of	2011	7 th J&K Science Congress	University of Jammu, Jammu

	Rhabditid nematodes of district Rajouri			
3	Studies on the biodiversity of free-living nematodes of Jammu and Kashmir	2008	3 rd J&K Science Congress	University of Jammu, Jammu

Sessions Chaired in Seminars/Conferences: 20

Awards/Fellowships Received:

1. **BGSBU Outstanding Researcher** of the year Award in Sciences/Biological Sciences/Engineering, 2017
2. **Fellowship Award of Indian Academy of Science and Nature, 2013**
3. **Fellowship Award of Zoological Society of India, 2012**
4. **Awarded Fast Track Fellowship** of Department of Science and Technology, Govt. of India to carry out research independently in 2007.
5. **Worked as JRF (In MoEF, New Delhi Sponsored Project AICOPTAX 2004)**

Fellow of Academies / Board/Association/Institute of repute:

1. Fellow Zoological Society of India.
2. Fellow Indian Academy of Science and Nature, India.
3. Member Society of Nematologists, USA.
4. Member Nematological Society of India.
5. Member Indian Society for Parasitology.

Significant contribution to the field of Knowledge:

Dr. A. A. Shah crafted a respectable space for himself in the world of Zoological sciences has done pioneering research work on genomics, proteomics and biodiversity of free-living nematodes of India for which the DST, Ministry of Science and Technology awarded him Young Scientist award and FAST Track fellowship in 2007. He was also awarded by a prestigious OUTSTANDING RESEARCHER OF THE YEAR AWARD by BGSB University in 2017. He has reported 61 species under 21 genera, falling under three super families, four families and eight subfamilies. Of these 32 species and seven genera are new to science. Giving recognition to his work a UK based Scientist Dr. M. R. Siddiqi named a genus '*Shahnema*', a subfamily '*Shahnematinae*' and a family *Shanematidae* after his name.

He has also received fellowship awards of Indian Academy of Science and Nature and Zoological Society of India. Under some of his research projects he has collaborated with eminent Scientists of UK and US and completed five research projects funded by reputed agencies. Currently his ongoing research project entitled as "*Development of DNA barcode for rapid identification of Rhabditid nematodes*" is funded by DBT, GoI.

He has published several research papers in journals of international repute and supervised 15 research degrees.

Impact of the contributions in the concerned field:

1. Trained manpower in the form of M.Sc., M.Phil and doctoral students (13 Ph.Ds & 05 M.Phil students have been supervised).
2. 38 new species and 7 new genera have been described.
3. DNA barcode of 15 species have been developed.
4. Research papers have been published in Journals of international repute.

Publications:

Books:04

Book Chapters: 13

Selected Research Articles

1. A. A. SHAH (2024) Comprehensive review on parasitic infections reported in the common fish found in UT of Jammu and Kashmir, India. *Journal of Parasitic Diseases*. (Springer) <https://doi.org/10.1007/s12639-024-01697-9> (With Hannan) (IF:2.3).
2. A. A. SHAH (2024) High-Altitude Medicinal Plants as Promising Source of Phytochemical Antioxidants to Combat Lifestyle-Associated Oxidative Stress-Induced Disorders. *Pharmaceuticals* (MDPI). 17, 975. <https://doi.org/10.3390/ph17080975>. (With Shoeb & Vikas) (IF:5.2)
3. A. A. SHAH (2024) Protective effect of *Asparagus adscendens* on 5-fluorouracil induced gastrointestinal lesions in Wistar rats. *International Journal of Biosciences*, 24 (5): 117-125. (With Diksha) (IF:2.4)
4. A. A. SHAH (2024) Plant phenolics with promising therapeutic applications against skin disorders: A mechanistic review. *Journal of Agriculture and Food Research* (Elsevier). Volume 16, (March, 2024) 101090 <https://doi.org/10.1016/j.jafr.2024.101090> (With Ishfaq Wani, Rawat Un Nisa) (IF:3.8)
5. A. A. SHAH (2024) Role of Physico-chemical parameters in assessment of water quality of some Indian rivers with special reference to Sub-Himalayan Devika stream, J and K- A review. *Indian Forester*, 150 (2) : 138-146, 2024 DOI: 10.36808/if/2024/v150i2/169575 (With Imtiaz Shahid) (IF:0.11)
6. A. A. SHAH (2023) Ethylene and spermine attenuate chromium-inhibited photosynthetic functions by improving nitrogen and sulfur assimilation and antioxidant system in mustard. *Plant Stress* (Elsevier). Volume 9, September 2023, 100196 <https://doi.org/10.1016/j.stress.2023.100196> (With Asgher Mughal & Nafees Ahmad) (IF:5.0)
7. A. A. SHAH (2023) Mechanistic insights toward identification and interaction of plant parasitic nematodes: A review. *Soil Ecol. Lett.*, 2024, 6(1): 230186 (Springer) <https://doi.org/10.1007/s42832-023-0186-2> (With Bisma & Ali Haider Shah) (IF:4.0)
8. A. A. SHAH (2023) Phytochemicals as Antimicrobials: Prospecting Himalayan Medicinal Plants as Source of Alternate Medicine to Combat Antimicrobial Resistance. *Pharmaceuticals* (MDPI). 16(881): 1-56 <https://doi.org/10.3390/ph16060881> (With Shoeb & Vikas) (IF:5.2)
9. A. A. SHAH (2023) Plant secondary metabolites as an alternative to combat antimicrobial resistance: An overview of medicinal plants of Pir Panjal Himalaya. *Journal of Non-Timber Forest Products*. 29(3): 121-134 DOI: <https://doi.org/10.54207/bsmps2000-2023-210828> (With Shoeb & Vikas)
10. A. A. SHAH (2023) Elevational patterns of soil nematode diversity, community structure and metabolic footprint in the Trikuta mountains of Northwestern Himalaya. *Frontiers in Forests and Global Change*. 6: 1-15 <https://doi.org/10.3389/ffgc.2023.1135219> (Frontiers). (With Fozia) (IF:4.33)
11. A. A. SHAH (2023) A contribution to taxonomy and biology of *Spalerosophis diadema diadema* (Schlegel, 1837) along with a new record of *Spalerosophis atriceps* (Fischer, 1885) from the Poonch District of Jammu and Kashmir, India (Reptilia, Squamata, Colubridae), *HERPETOZOA* 36: 41–52 (With Sarshad) (IF:1.0) <https://zoobank.org/B646651E-B0D5-429B-9914-B0A7FA7AA2B7>
12. A. A. SHAH (2023) Indigenous Knowledge and Perception of Local People towards Biodiversity Conservation in Rajouri District of Jammu and Kashmir,

- India. *SUSTAINABILITY*, 15 (3198): 1-14 (With Pant) (IF:3.88)
13. A. A. SHAH (2023) Plant Growth Promoting *Rhizobacteria* in Plant Health: A Perspective Study of the Underground Interaction. *PLANTS*, 12, (629): 1-21 (With Arif & Muddasir)
 14. A. A. SHAH (2022) Description of *Stegorhabditis miniata* sp. nov. (Nematoda: Rhabditidae) from Jammu and Kashmir (India). *FLORA AND FAUNA*, 28: 328-332 (With Shavish)
 15. A. A. SHAH (2022) Co-Application of Nitric Oxide and Vermicompost Improves Photosynthetic Functions, Antioxidants, and Nitrogen Metabolism in Maize (*Zea mays* L.) Grown Under Drought Stress. *Journal of Plant Growth Regulation* (Springer). <https://doi.org/10.1007/s00344-022-10854-4> (With Dr. Asgher Mughal Et.al.) (IF:4.64)
 16. A. A. SHAH (2022) Year-Long Assessment of Soil Nematode Diversity and Root Inhibition-Indicator Nematode Genera in Rice Fields. *Biology* (MDPI). **11**, (1572): 1-19 Biology 2022, 11, 1572. <https://doi.org/10.3390/biology11111572> (With Dr. Rahwat & Adil Tantrey Et.al.) (IF:5.16)
 17. A. A. SHAH (2022) Scientific Appraisal and Therapeutic Properties of Plants Utilized for Veterinary Care in Poonch District of Jammu and Kashmir, India. *Biology* (MDPI). **11**(1415): 1-36 Biology 2022, 11, 1415. <https://doi.org/10.3390/biology11101415> (With Dr. Pant Et.al.) (IF:5.16)
 18. A. A. SHAH (2022) Advances in Nematode Identification: A Journey from Fundamentals to Evolutionary Aspects. *Diversity* (MDPI). **14**, (536): 1-23 <https://doi.org/10.3390/d14070536>. (With Kaiser Bhat, SM Zargar etc). (IF:3.029)
 19. A. A. SHAH (2022) Low Temperature Stress Tolerance: An Insight Into the Omics Approaches for Legume Crops. *Frontiers in Plant Science*. <https://doi.org/10.3389/fpls.2022.888710>. (With Kaiser Bhat, SM Zargar etc). (IF:4.407)
 20. A. A. SHAH (2022) A Study on Community Diversity of Soil-Inhabiting Nematodes in Lower Forest Area of Gulmarg of District Baramulla, Jammu and Kashmir, India. *Springer, Proc Zool Soc* <https://doi.org/10.1007/s12595-022-00433-6> (With Shaheen Rawat, Nazia & Kaiser). (IF:0.71)
 21. A. A. SHAH (2022) Shift from morphological to recent advanced molecular approaches for the identification of nematodes. *Elsevier, Genomics*, 114 (2022) 110295 (With Rawat & Adil). (IF:5.736)
 22. A. A. SHAH (2022) Nematode diversity and community structure assessment in different vegetations of Jammu division of J & K, India. *Journal of Applied and Natural Science*. 14(1): 102-115 (With Nazia, Rawat & Kaiser). (IF:0.86)
 23. A. A. SHAH (2021) A Comparative Diversity Analysis of Soil Nematodes of Rajouri, Jammu and Kashmir, India. *Bioscience Biotechnology Research Communications* Vol 14 No (4) Oct-Nov-Dec 2021 (With Yasmeen Kouser). (IF:5.9)
 24. A. A. SHAH (2021) Nematode diversity of *Crocus sativus* L. rhizosphere in district Kishtwar, Jammu and Kashmir, India. *Springer, Vegetos*, November, 2021. (With Sajjan, Shaheen, Kaiser & Harish Dutt). (IF:0.469)
 25. A. A. SHAH (2021) The functional role and diversity of soil nematodes are stronger at high elevation in the lesser Himalayan Mountain ranges. *Wiley, Ecology and Evolution* 2021; 1-12 (Yasmeen Kouser & Sergio Rasmann) (IF:2.91)
 26. A. A. SHAH (2021) Myxobacteria as a Source of New Bioactive Compounds: A Perspective Study. *MDPI, Pharmaceutics* 2021, 13, 1265: 1-32 (IF:5.8) (With Mujtaba Aamir Bhat, Mudasir Ahmad Bhat, Awdhesh Kumar Mishra, Mohammad Iqbal Banday, Ommer Bashir, Irfan A. Rather, Safikur Rahman &

Arif Tasleem Jan)

27. A. A. SHAH (2021) Influence of ecological and edaphic factors on biodiversity of soil nematodes. **Elsevier**, *Saudi Journal of Biological Sciences*. 1-10 (With Rawhat Un Nisa, Aadil Yousuf Tantray, Nazia Kouser, Kaisar Ahmad Allie, Shaheen Majeed Wani, Saud A. Alamri, Mohammed Nasser Alyemeni, Leonard Wijaya). (IF:4.219)
28. A. A. SHAH (2021) Mechanistic insights of CRISPR/Cas mediated genome editing towards enhancing abiotic stress tolerance in plants. *Physiologia Plantarum* 202: 1–14. (IF:4.5)
29. A. A. SHAH (2020) The era of editing plant genomes using CRISPR/Cas: A critical appraisal. **Elsevier**, *Journal of Biotechnology*, 324 (2020) 34-60. (With Mujtaba Aamir Bhat, Mudassir Ahmad Bhat, Vijay Kumar, Ishfaq Ahmad Wani, Humayra Bashir, Safikur Rahman & Arif Tasleem Jan) (IF:3.163)
30. A. A. SHAH (2020) DNA barcoding: a way forward to obtain deep insights about the realistic diversity of living organisms, Springer (Nucleus). (With Rakeeb Ahmad Mir, Kaisar Ahmad Bhat, Gazanfer Rashid, Leonard Barnabas Ebinezer, Antonio Masi, Randeep Rakwal & Sajad Majeed Zargar) (IF:0.565)
31. ALI. A. SHAH, KAISAR AHMAD ALLIE, SHAVISH VAID & ZAFAR A. HANDOO (2018) Description of *Loffienema dhanoriensis* gen. n., sp. n. (Nematoda: Rhabditidae) from Jammu and Kashmir State, India. *Zootaxa*, 4402 (1): 189-194. (IF:1.091)
32. A. A. SHAH AND SHAVISH VAID (2017) Description of *Rhabpanus poonchianus* sp. n. and *Serronema longispiculum* sp. n. (Nematoda: Rhabditina) from Jammu and Kashmir State, India. *International Journal of Nematology*, 27 (1&2), 59-68. (IF:1.037)
33. A. A. SHAH AND SHAVISH VAID (2017) Description of *Protorhabditis parvus* sp. n. and *Caenorhabditis pini* sp. n. (Nematoda: Rhabditida) from Jammu and Kashmir, India. *International Journal of Nematology*, 27 (1&2), 49-58. (IF:1.037)
34. A. A. SHAH AND SHAVISH VAID (2016) Nematode diversity in agro-ecosystems of Poonch district, Jammu and Kashmir State, India. *International Journal of Nematology*, 26 (1&2), 83-92. (IF:1.037)
35. A. A. SHAH, RAKEEB AHMAD MIR, M. ISHFAQ BHATTI AND RAHEELA MUNAWER (2016) Molecular comparison of populations of *Cuticularia oxycerca* and *Curviditis curvicaudata* (Nematoda: Rhabditidae) using Random Amplified Polymorphic DNA (RAPD) markers. *International Journal of Nematology*, 26 (1&2), 93-99. (IF:1.037)
36. A. A. SHAH AND ABID HUSSAIN (2016) Descriptions of three new species of *Mononchus* (Nematoda: Mononchida) from Jammu and Kashmir State, India. *International Journal of Nematology*, 26 (1&2), 29-40. (IF:1.037)
37. A. A. SHAH, ABID HUSSAIN AND SALEEM AYAAR ARIF (2016) Diversity of soil inhabiting nematodes in Kotli Kala Ban forest in Rajouri district of Jammu and Kashmir State, India. *International Journal of Nematology*, 26 (1&2), 70-76. (IF:1.037)
38. ALI ASGHAR SHAH, SHAVISH VAID, ABID HUSSAIN & RAKEEB AHMAD MIR (2015) Description of *Distorhabditis poonchiana* n. gen., n. sp. (Nematoda: Rhabditidae) from Jammu and Kashmir, India. *Journal of Nematology*. 47 (4), 381-385 (IF:1.402)
39. ALI ASGHAR SHAH & RAKEEB AHMAD MIR (2015) Role of DNA-based markers in nematode taxonomy: a review. *International Journal of Nematology*, 25

- (2), 208-214. **(IF:1.037)**
40. ABID HUSSAIN AND A. A. SHAH (2015) Ecology of mononchid nematodes of major habitats in Jammu division, Jammu and Kashmir State, India. *International Journal of Nematology*, 25 (2), 186-194. **(IF:1.402)**
 41. A. A. SHAH AND ABID HUSSAIN (2015) Description of two new species of *Mylonchulus* (Nematoda: Mononchida) from Rajouri district of Jammu and Kashmir, India. *International Journal of Nematology*, 25 (2), 127-134. **(IF:1.037)**
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Sd/-
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