

# Curriculum vitae of Dr Javid Ahmad Parray

## PERSONAL INFORMATION

### Dr Javid A Parray

Assistant Professor & HOD

- Department of Environmental Science,  
Govt Degree College, Eidgah Srinagar Jammu and Kashmir,  
India-190017

- State Key Laboratory of Desert and Oasis Ecology, Key Laboratory of Ecological Safety and Sustainable Development in Arid Lands, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, Urumqi 830011, PR China



**Former Institute: Centre of Research For Development, University of Kashmir JK India**

**Residential address: Rangil Naghbal, Ganderbal J&K India- 190006**

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Web links:

<https://loop.frontiersin.org/people/275554/overview>

[https://www.researchgate.net/profile/Javid\\_Parray](https://www.researchgate.net/profile/Javid_Parray)

<https://www.linkedin.com/in/javid-parray-21b76754/>

[www.microenviromer.com](http://www.microenviromer.com)

<https://publons.com/researcher/4849234/dr-javid-ahmad-parray/>

Passport No. Y5178535 Sex **Male** | Date of birth 01/06/1983 | Nationality **India**

## VISITING SCIENTIST / FELLOWSHIP

1. PIFI Fellowship 2024 by Chinese Academy of Science – Visiting scientist Xinjinag Lab of Ecology and geography China
2. Visiting faculty – YESBUD UNIVERSITY - Lusaka Zambiaherein

## BRIEF BIO-

Dr Javid A Parray holds a Master's Degree in Environmental Science and has completed his Research Programme (MPhil and PhD) from the University of Kashmir after qualifying state level prestigious JK SLET examination. He has also done his Post Doctorate Research from the University of Kashmir. Dr Parray was also awarded a Fast Track Young Scientist Project by SERB – DST, Gol New Delhi. He currently teaches at the Department of Environmental Science, GDC Eidgah Srinagar affiliated to Cluster University Srinagar. He has attended many courses and conferences on environmental issues and other biotechnological aspects within and outside the country like Srilanka, Indonesia, Malaysia etc. His fundamental research interests include ecological and agricultural microbiology, climate change and microbial biotechnology, environmental microbiome etc. He has published more than 50 high-impact research papers and book chapters in reputed journals and publishing Hubs. Dr Parray has authored 16 books with international publishers like Elsevier,

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Springer, Callisto Reference USA and Wiley-Blackwell. Dr Parray is on the editorial board, and permanent reviewers of many journals and has been an invited speaker at various scientific meetings/conferences within India and abroad. He is also a Guest editor for a special issue on Environmental Biofilms with BioMed Research International, Hindwii. He is member of many International and National scientific organizations and societies like Asian PGPR Society, IJMS Mumbai, Academy of Eco science, IAES Haridwar etc. Dr Javid was also awarded as “Emerging scientist year Gold Medal” for the year 2018 by Indian Academy of Environmental Science. Dr Parray is Course coordinator for 03 CeC-MOOCs Swayam courses in Environmental Science

## Administrative activities/positions

1. Convener, Development Committee GDC Eidgah Srinagar
2. Convener Admission committee GDC Eidgah Srinagar
3. Coordinator Digital Initiative HED GDC Eidgah Srinagar
4. Nodal officer for Scholarship Schemes in GDC Budgam (2017-2020)
5. Master Trainer in the subject of Disaster Management (2018-2019)
6. Coordinator Aatma Nirbhar Bharat Abhiyan Project at GDC Budgam
7. Convener, UGC Committee Govt SAM College Budgam JK India
8. Coordinator, Soil and Water testing course nominated by RUSA
9. Convener, Hospitality and protocol committee, Govt SAM College Budgam JK India
10. Co-Convener, Research committee, Govt SAM College Budgam JK India
11. Member, Post Graduate Studies in Environmental Science, Kashmir University 2011-2014.
12. Event Manager in number of national and international conferences
13. Nodal officer Scholarship committee
14. In charge Transport and accommodation committee in international conference on Cellular and molecular mechanisms of Disease processes held at University of Kashmir on 13-16th April 2014.
15. In charge Local hospitality committee in National conference on Status and conservation of Biodiversity in India with special reference to Himalaya held at university of Kashmir on 4th- 5th October, 2013

## EDUCATION AND RESEARCH DETAILS

<b>(2015-2018)</b>	<b>Fast Track Young Scientist Centre of Research for Development, University of Kashmir Molecular characterization and metabolic potential of rhizospheric bacteria from <i>Arnebia benthamii</i> across North Western Himalaya (DST-SERB)</b>
<b>(2014-2015)</b>	<b>Post Doctorate Department of Environmental Science/Centre of Research for Development, University of Kashmir, Srinagar-190006, J&amp;K. Tissue culture based network programme on saffron by DBT Gol New</b>

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(2010-2014)	<b>Delhi</b> <b>Ph.D. (Environmental Science)</b> <b>Department of Environmental Science/Centre of Research for Development, University of Kashmir, Srinagar-190006, J&amp;K.</b> <b>Thesis title: "Evaluating role of Rhizospheric bacteria in saffron culture "</b>
(2009-2010)	<b>M. Phil (Environmental Science)</b> <b>Department of Environmental Science/Centre of Research for Development, University of Kashmir, Srinagar-190006, J&amp;K.</b> <b>Thesis title: "Antimicrobial activity of <i>Euryale ferox</i> Salisb- A Threatened Aquatic Plant of Kashmir Himalaya "</b>
(2006-2008)	<b>M.Sc. Environmental Science</b> University of Kashmir, Srinagar-190006, J&K <b>Dissertation title: "Antimicrobial and antioxidant activities of medicinal plants of Kashmir Himalaya"</b>
(2002-2005)	<b>B.Sc. Science (English, Biochemistry, Chemistry, Zoology)</b> Islamia College of Science and Commerce University of Kashmir, Srinagar-190006, J&K India.
(June 2008)	<b>SET (State Eligibility Test)</b> Qualified SET, held by University of Jammu

## RESEARCH EXPERIENCE

- .. 1 year and 6 months Post Doctorate (DBT & DST –SERB)
- .. 3 year and six months years Research Associate (DBT)

## TEACHING EXPERIENCE

- .. Assistant professor in Govt. Degree college Eidgah Srinagar from September 2020 to current
- .. Assistant professor in Govt SAM Degree college Budgam from June 2017 to September 2020
- .. Assistant professor in Govt Degree college Ganderbal from Feb 2017-June 2017
- .. Guest lecturer in P.G. Department of Environmental Science from 2010-2011
- .. Guest lecturer in Central University of Kashmir from March 2016- 30th June 2016

## RESEARCH COLLOBRATIONS:

1. Sun Yat-Sen University China
2. NCMR Pune India
3. King Saud University Saudi Arabia
4. Leibniz Centre for Agricultural Landscape Research (ZALF) Müncheberg 15374, Germany.
5. University of Zobol Iran
6. University of Firat, Turkey

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7. University of Uzbekistan Uzbekistan

## Expert member:

1. Commission for Scientific and Technical Terminology, Ministry of Education, Department of Higher Education, West Block-7, R.K. Puram, New Delhi-110066 for Technical Term selection for class 1-5.

## National Course Coordinator for CEC-SWAYAM MOOCS:

1. Course: Environmental Pollution and Global issues (Feb-March 2021)

[https://onlinecourses.swayam2.ac.in/cec21\\_ge08/preview](https://onlinecourses.swayam2.ac.in/cec21_ge08/preview)

2. Course: Biodiversity and Ecological Resources (9th August 2021-30th October 2021)

[https://onlinecourses.swayam2.ac.in/cec21\\_ge31/preview](https://onlinecourses.swayam2.ac.in/cec21_ge31/preview)

3. Course: Environmental issues in India (BA Honors History – CEC –Swayam Moocs (2023-24)

## Editor's activity

### Editor/Assoc. Editor

1. Associate editor: Natural Resources Conservation and Research

(<https://systems.enpress-publisher.com/index.php/NRCR/about/editorialBoard>)

2. Associate editor: Coronavirus journal

(<https://benthamscience.com/journals/coronaviruses/editorial-board/>)

3. Lead guest editor: Biomed Research (International <https://www.hindawi.com/journals/bmri/si/613726/>)

4. Co-Editor in chief: Journal of MicroEnvironment <https://microenvironmenter.com>

5. Subject editor: Ecosystems and Biomes : <https://ecobiomeuz.com/editorial-board-1>

6. Lead Guest associate editor: Frontiers in sustainable Food system <https://www.frontiersin.org/my-frontiers/research-topics>

### Reviewer role:

i. Pollution Journal: <https://jpoll.ut.ac.ir/contacts>

ii. Frontiers in Plant science

iii. Letters in Applied Microbiology (WILEY)

iv. Molecules MDPI

v. Antioxidants MDPI

vi. Sustainability Journal MDPI

vii. Journal of Genetic engineering and Biotechnology (ELSIEVER) etc.

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## BOOK series Editor:

- i. Microbiome research in plants and soil AP, Elsevier 2022.

## SPECIAL ATTRIBUTES

### Countries visit

1. Srilanka
2. Indonesia

### Societies/Academies:

Co- Chief Editor of Journal of Micro Environer  
Asian PGPR Society

## AWARDS & MEDALS

1. **Faculty Coordinator** for the "MANAV Scientific Reading and Comprehension Self-Assessment Module (for students)", conducted by Project MANAV– The Human Atlas Initiative in September to October 2021.
2. **IAES Gold medal award** by Indian academy of Environmental science in the field of microbial and plant biotechnology in the national conference held at Dehradun (22-23<sup>rd</sup> June 2018)
3. **Honorary Fellowship as an “Emerging scientist year Award 2015”** by Indian academy of Environmental science Haridwar March, 4th 2016
4. **Awarded Fast Track Young Scientist by SERB DST, (2015) on the project “Molecular characterization and metabolic potential of rhizospheric bacteria from Arnebia benthamii across North Western Himalaya”. Vide sanction No: YSS/2014/000590**
5. Best oral paper presentation award on **“Application of Biotechnological tools for saffron production”** in Two day national conference on “Technologic innovation on saffron”, organized by SKUAST-K held on 25th -26th November, 2010

## BOOKS PUBLISHED:

1. **Javid A. Parary** and Sumira Jan “Approaches to Heavy metal Tolerance in Plants”. ISBN: 978-981-10-1692-9. Ed.1., **Springer, 2016**, DOI: 10.1007/978-981-10-1693-6
2. **Javid A Parray** and Suhaib A Bandh (2017) Environmental Perspectives and Issues Edition: IST, Publisher: CALLISTO REFERNCE NY 11375, USA, ISBN: 9781641160377
3. **Javid A Parray** and Nowsheen Shameem. Sustainable agriculture: Advances in plant metabolome and microbiome. [https://doi.org/ 10.1016/B978-0-12-817109-7.00002-X](https://doi.org/10.1016/B978-0-12-817109-7.00002-X) Publisher **Elsevier** 2019 ISBN: 9780128171097
4. **Javid A Parray** Nowsheen Shameem and Mohammad Yaseen Mir. Sustainable Agriculture: Bio techniques in Plant Biology. Publisher **Springer** 2020 ISBN 978-981-13-8840-8
5. **Javid A parray**, Reyazz A Sayyed and Abeer Hasheem. Soil Bioremediation An approach towards sustainable clean technology ISBN-13: 978-1119547952 ISBN-10: 1119547954 Publisher **John Wiley & Sons 2021**

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6. Javid A Parray; Suhaib A Bandh; Nowsheen Shameem. Climate and Microbes: Impacts and Vulnerability: Hard ISBN: 9781774637210 Apple Academic Press @CRC Taylor and Francis 19<sup>TH</sup> May 2022
7. Javid A Parray; Suhaib A Bandh; Nowsheen Shameem. Climate Change and Microbial Diversity: Advances and Challenges: ISBN 9781774637821 Published August 18, 2022 by Apple Academic Press @CRC Taylor and Francis
8. Javid A. Parray, Mohammad Yaseen Mir, Nowsheen Shameem. Nano-Technological Intervention in Agricultural Productivity. **Wiley, 2021**. ISBN: 1119714850, 9781119714859
9. Javid A. Parray, Elsayed F. Abd-Allah, Nowsheen Shameem, Mohammad Y. Mir Core Microbiome: Improving Crop Quality and Productivity. **Wiley, 2022**, ISBN 1119830761; 9781119830764; pp 304.
10. Aparna B. Gunjal, Rebecca Thombre and Javid Parray: Physiology, Genomics, and Biotechnological Applications of Extremophiles. **IGI Global publishers -2021** ISBN13: 9781799891444|ISBN10: 1799891445; DOI: 10.4018/978-1-7998-9144-4
11. Javid Ahmad Parray. Climate Change and Microbiome Dynamics - Carbon Cycle Feedbacks. Springer (2023) <https://link.springer.com/book/9783031210785>
12. **Javid Ahmad Parray**, Nowsheen shameem, Dilfuza Egamberdieva, R.Z. Sayyed, Rhizobiome: Ecology, Management and Application (Microbiome Research in Plants and Soil) Publisher Elsevier **2023**; ISBN13- 978-0443160301
13. **Javid Ahmad Parray**, Nowsheen Shameem, Dilfuza Egamberdieva. Microbiome Drivers of Ecosystem Function 1st Edition - **Editors**: ISBN: 9780443191213 (Microbiome Research in Plants and Soil) Publisher Elsevier 2023
14. Dilfuza Egamberdieva, Javid A. Parray, Kakhramon Davranov Plant Endophytes and Secondary Metabolites. 1st Edition - November 1, 2023 ELSIEVER Paperback ISBN: 9780443133657
15. Javid A. Parray, Wen-Jun Li Microbiome-Assisted Bioremediation: Rehabilitating Agricultural Soils . 1st Edition - November 1, 2023 Elsevier Paperback ISBN: 978-0443219115
16. Javid A Parray, Progress in soil Microbiome research” under production with Springer 2024
17. Javid A Parray, sustainable environmental education: digital world and AI under production with CRC press 2024
18. Javid A Parray “Seed microbiome: patterns ecology and application ” under production with Elsevier 2024

### Current Research Project-

**I. Innovation research project on “construction on microbial consortia for degradation of chocolate wrappers” approved by J&K Science and technology Innovation council, Department of Science and technology J&K India- Cost approved – Rs. 50,000/-**

### LIST OF COMPLETED RESEARCH PROJECTS

Molecular characterization and metabolic potential of Rhizospheric bacteria of *Arnebia benthamii* (Funded by SERB DST Gol New Delhi Rs. 3320000/-) (2015-2019) implemented at University of Kashmir and Govt. SAM Degree College Budgam

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## FELLOWSHIPS

1. Merit Scholarship from the University of Kashmir to undertake my pre-PhD programme
2. Financial Assistant by ITS-SERB DST Gol New Delhi for attending Conference at Indonesia 16th -19th July 2017

## TRAINING/ORIENTATION/ REFRESHER COURSES ATTENDED

- i. Participated in the UGC Sponsored Online Refresher Course –Environmental Studies (open to all) from 3rd September to 18th September 2020 organized by UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh
- ii. Attended 4 week 81st General Orientation course from 12th November –December 13th 2018 organized by UGC-HRDC University of Kashmir
- iii. Attended 4 day Maser training programme on climate change adaptation from 30th July -2nd August 2018 at IMPARD Srinagar organized by IHCP and state climate cell J&K.
- iv. Attended 10 days skill development training as an expert on “in vitro production of saffron cormlets” Programme (12th -21h January 2020) held at SKUAST-K Shalimar
- v. Attended 14 days 33rd NRCBS winter School on “Differential gene expression in bacteria and plants” at NRCS, Madurai Kamraj University, Tamil Nadu, India Organized by University Grants Commission New Delhi 1st feb -14 Feb 2017
- vi. Attended 10 days training programme on “Molecular characterization and Bioinformatics” at Tata Memorial Centre, Advanced Centre for Treatment, Research and Education in Cancer , Kharghar, Navi Mumbai - 410 210, India during July 18th–July 29th 2016.
- vii. Attended 15 days training programme on tissue culture at CSIR-IHBT-Palampur, HP, India from 26th August - 10th September, 2013
- viii. Participated in a four-day training programme on “Micro propagation–a Biotechnological Tool for Plant Propagation and Conservation” on 16th to 19th Dec, 2009 under Walnut project sponsored by ICAR through CITH.
- ix. Participated in a Four-day training programme on “Basic Techniques in Plant Tissue Culture” on 1st to 4th Dec, 2009 under Walnut project sponsored by ICAR through CITH.
- x. One day “Scientific writing and publishing workshop” by American Society of Microbiology, organized by Deptt. of Biotechnology, University of Kashmir on 14th June, 2012.

## SEMINARS/CONFERENCES ORGANISED:

1. National Seminar on Biodiversity and Climate change: Challenges and prospects on 26th October 2017 at GDC BUDGAM
2. One Day Online Conference on Biodiversity Conservation and sustainable Future (BCSF-2020) on 6<sup>th</sup> June 2020
3. Two Days International Webinar On ‘Data Presentation in Research Article and its Publication’ (Demonstration mode) on 19th and 20th July 2020
4. Coordinated Online webinar on "How to Read Scientific Literature?" and "Introduction to MANAV- The Human Atlas Initiative". 4th August 2020
5. International Web conference on Sustainable environment and Agriculture on 9th August 2020
6. One day Psychological cum Counseling session under the Manodarpan Initiative on 9th November 2020 at GDC Eidgah Srinagar.

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7. One day Scientific workshop on “Innovative Low Cost Scientific Technologies” at Govt. Degree College Eidgah on 28-09-2021 sponsored by JK Armed Police srinagar
8. J&K UT S&T sponsored 7- days Faculty Developemnt Programme on hands on trainings on basic moleculer techniques in collobration with Departemnt of Bioresursce University of Kashmir 20-26th september 2022.
9. J&K UT S&T sponsored One day national seminar cum workshop on lake restoration and conservation of Lake water bodies of UT of J&K on 20th March 2023

### RESEARCH PUBLICATIONS WITH IMPACT FACTOR

1. Suriani NL, Suprpta DN, Perveen K, Suarsana IN, Resiani NMD, Hamidah E, Rusdianasari, Alsulami JA, **Parray JA** and Ho TS (2023) Formulation of Brevibacillus agri and compost to improve growth and phytochemicals compound of Piper caninum herbal plant. *Front. Sustain. Food Syst.* 7:1163426. doi: 10.3389/fsufs.2023.1163426
2. **Parray JA**, Egamberdieva D, Abd\_Allah EF and Sayyed RZ (2023) Editorial: Soil microbiome metabolomics: a way forward to sustainable intensification. *Front. Sustain. Food Syst.* 7:1251054. doi: 10.3389/fsufs.2023.1251054
3. Gupta, R.; Sarkar, M.J.; Islam, M.S.; Uddin, M.R.; Riza, I.J.; Monira, S.; Zaman, F.; Hasan, A.K.; Islam, A.K.M.M.; Hashem, A.; Graciela Dolores Avila-Quezada, **Javid A Parray**, Elsayeed Fathi Abd\_Allah , Uttam Kuamr Sarker. Introducing New Cropping Pattern to Increase Cropping Intensity in Hill Tract Area in Bangladesh. *Sustainability* 2023, 15, 11471. <https://doi.org/10.3390/su151411471>
4. Vivekananda Budamagunta, Nowsheen Shameem, Sivaraj Iruappan, **Javid A. Parray**, Merin Thomas, Santhosh Marimuthu, Rangasamy Kirubakaran, K.N.Arul Jothi, R.Z.Sayyed, Pau Loke Show Nanovesicle and extracellular polymeric substance synthesis from the remediation of heavy metal ions from soil. *Environmental Research.* 2022, Elsevier <https://doi.org/10.1016/j.envres.2022.114997>
5. **Parray JA**, Egamberdieva D, Abd\_Allah EF and Sayyed RZ (2023) Editorial: Soil microbiome metabolomics: a way forward to sustainable intensification. *Front. Sustain. Food Syst.* 7:1251054. doi: 10.3389/fsufs.2023.1251054
6. Sonali Sangwan, Nowsheen Shameem, Shikha Yashveer, Hemender Tanwar, **Javid A. Parray**, Hanuman Singh Jatav, Sushma Sharma, Himani Punia, Peter Poczai, Waleed Hassan Almalki, R. Z. Sayyed. Role of Salicylic Acid in Combating Heat Stress in Plants: Insights into Modulation of Vital Processes. *Front. Biosci. (Landmark Ed)* 2022, 27(11), 310; <https://doi.org/10.31083/j.fbl2711310>
7. Verma A, Shameem N, Jatav HS, Sathyanarayana E, **Parray JA**, Poczai P and Sayyed RZ (2022) Fungal Endophytes to Combat Biotic and Abiotic Stresses for Climate-Smart and Sustainable Agriculture. *Front. Plant Sci.* 13:953836. doi: 10.3389/fpls.2022.953836
8. Rafi, S., Kamili, A.N., Ganai, B.A. Parray **Javid A**, Jan Sumira. (2021). Variation in root morphology, enhancement in anti-oxidative enzyme responses and improved arbutin and bergenin levels



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in *Bergenia ciliata* (Haw.) Sternb. raised in vitro via EMS and gamma irradiations. Plant Cell Tissue Organ Cult <https://doi.org/10.1007/s11240-020-01991-3>

9. Kirubakaran R, ArulJothi KN, Sundaravadivel Revathi, Shameem Newsheen, Parray Javid A (2020) Emerging Priorities for Microbial Metagenome Research. Bioresource Technology Reports. <https://doi.org/10.1016/j.biteb.2020.100485>
10. Baba Uqab, Ruqeya Nazir , Bashir Ahmad Ganai , Praveen Rahi, Sabeehah Rehman, Saleem Farooq , Rubiya Dar, **Javid A. Parray**, Al-Bandari Fahad Al-Arjani Al-Arjani, Baby Tabassum, Elsayed Fathi Abd\_Allah (2020) MALDI-TOF-MS and 16S rRNA characterization of lead tolerant metallophilic bacteria isolated from saffron soils of Kashmir for their sequestration potential . Saudi Journal of Biological Sciences. <https://doi.org/10.1016/j.sjbs.2020.04.021>
11. Mohan R, Kirubakaran R, **Parray JA**, Sivakumar R, Muruges E, Govarthanan M (2020) ligand based pharmacophore filtering, atom based 3D-QSAR virtual screening and ADME studies for the discovery of potential ck2 inhibitors. Journal of molecular structure (Elsevier) <https://doi.org/10.1016/j.molstruc.2019.127670>
12. Mohammad Yaseen Mir, Azra N. Kamili, Qazi P. Hassan, Sabreena Rafi, Javid A. Parray, Sumira Jan. In Vitro Regeneration and Free Radical Scavenging Assay of *Hypericum perforatum* L. Natl. Acad. Sci. Lett. <https://doi.org/10.1007/s40009-018-0699-x>
13. Kirubakaran Rangasamy, Murugan Athiappan, Natarajan Devarajan, **Javid A. Parray**, Newsheen Shameem,, K. N. Aruljothi , Abeer Hashem, Abdulaziz A. Alqarawi, and Elsayed Fathi Abd\_Allah (2018) Cloning and Expression of the Organophosphate Pesticide-Degrading  $\alpha$ - $\beta$  Hydrolase Gene in Plasmid pMK-07 to Confer Cross-Resistance to Antibiotics. BioMed Research International. 2018, <https://doi.org/10.1155/2018/1535209/>.
14. **Javid A Parray**, Azra N. Kamili, Sumira Jan, Yaseen Mir, Newsheen Shameem, Bashir A. Ganai, Elsayed Fathi Abd\_Allah, Abeer Hashem and Abdulaziz Abdullah Alqarawi (2018) Manipulation of plant growth regulators on phytochemical constituents and DNA protection potential of the medicinal plant *Arnebia benthamii* (Wall. ex G. Don) Johnston. BioMed Research International [doi.org/10.1155/2018/6870139](https://doi.org/10.1155/2018/6870139) (Hindwail IF 2.46).
15. Kirubakaran Rangasamy, Murugan Athiappan, Natarajan Devarajan , Gopinath Samykannu , Javid A. Parray, K.N. Aruljothie , Newsheen Shameem , Abdul aziz A. Alqarawi, Abeer Hashemh , Elsayed FathiAbd-Allah (2018) Pesticide degrading natural multidrug resistance bacterial flora. Microbial Pathogenesis. 114, 304-310. <https://doi.org/10.1016/j.micpath.2017.12.013>
16. Newsheen Shameem, Azra N Kamili, Mushtaq Ahmad, FA Masoodi, **Javid A Parray** (2017) Antimicrobial activity of crude fractions and morel compounds from wild edible mushrooms of

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North Western Himalaya. **Microbial Pathogenesis** DOI: 10.1016/j.micpath.2017.03.005 (IF-2.0) Elsevier

17. Kirubakaran Rangasamy, Murugan Athiappan, Natarajan Devarajan, Javid A. Parray. Emergence of multi drug resistance among soil bacteria exposing to Insecticides *Microbial Pathogenesis* 105 (2017) 153-165 (IF 2.0m) Elsevier
18. Sana Shafi, Azra N. Kamili, Manzoor A. Shah, **Javid A. Parray** and Suhaib A. Bandh (2017) Aquatic bacterial diversity: Magnitude, dynamics, and controlling factors. *Microbial Pathogenesis* 104: 39-47. (IF-2.0) Elsevier
19. Shagoon Tabin, Azra N Kamili, R.C. Gupta, Anshu Bansal, **Javid A. Parray** (2016) *In vitro* culture of *Rheum emodi* - an endangered medicinal plant of North Western Himalaya", **Proceedings of the National Academy of Sciences, India Section B: Biological Sciences**. DOI 10.1007/s40011-016-0835-7 (IF-0.396) Springer
20. Sabreena Rafi, Azra N. Kamili, B. A. Ganai, Mohammad Yaseen Mir, **Javid A. Parray**. (2016) *In vitro* culture and biochemical attributes of *Bergenia ciliata* (Haw.) Sternb. **Proceedings of the National Academy of Sciences, India Section B: Biological Sciences**. DOI 10.1007/s40011-016-0797-9; 2016 (IF-0.396) Springer
21. Sumira Jan, Azra N. Kamili , **Javid A. Parray** , Yashbir S. Bedi , Parvaiz Ahmad (2016) Microclimatic variation in UV perception and related disparity in tropane and quinolizidine alkaloid composition of *Atropa acuminata*, *Lupinus polyphyllus* and *Hyoscyamus niger* "Journal of Photochemistry & Photobiology, B: Biology 161 230–235-(If-3.05) Elsevier
22. **Nowsheen Shameem**, Azra N. Kamili, Mushtaq Ahmad, F.A. Masoodi, **Javid A. Parray**. (2016) Antioxidant potential and DNA damage protection of *Helvella lacunosa* (Afzel.) an edible mushroom of Kashmir Himalaya. **International Journal of Medicinal Mushrooms**. 18(X): 1-8 (I F: 1.104) **Beglle's House**
23. **Javid A Parray**, Sumira Jan, Azra N Kamili, Raies A Qadri, Parvaiz Ahmad (2016) Plant Growth Promoting Rhizobacteria (PGPR): From Physiology to Genomics. **Journal of Plant growth regulation**, DOI 10.1007/s00344-016-9583-4, 2016, (I.F: 2.27) Springer
24. **Javid A. Parray**, Rehana Hamid, Azra N. Kamili, Nowsheen Shameem, Sumira Jan, (2015) Biological efficacy and radical scavenging potential of shikonin in *Arnebia benthamii* (Wall ex. G Don) Johnston. **Industrial Crops and Products** 74 (15): 434–439. <http://dx.doi.org/10.1016/j.indcrop.2015.04.040> (IF-3.45) Elsevier

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25. Sumira Jan; Azra N Kamili; **Javid A Parray**; Y S Bedi (2015) Differential response of terpenes and anthraquinones derivatives in *Rumex dentatus* and *Lavandula officinalis* to harsh winters across North Western Himalaya. **Natural Product Research**. DOI:10.1080/14786419.2015.1030404 (IF-1.21). **Taylor and Francis**
26. **Javid A. Parray** , Azra N. Kamili , Zafar A. Reshi , Raies A. Qadri, Sumira Jan (2015) Interaction of rhizobacterial strains for growth improvement of *Crocus sativus* L. under tissue culture conditions. **Plant Cell Tiss Organ Cult**. 121:325–334 (IF-2.625) **Springer**
27. **Javid Parray**, Azra N. Kamili, Rehana Hamid, Zaffar Reshi, Raies Qadri (2015) Antibacterial and Antioxidant activity of methanol extract of *Stigma* and *in vitro* raised callus of *Crocus sativus* Kashmirianus c.v. **Frontiers in life science** 8: 1, 40–46, 2015 (IF-0.47)
28. Nowsheen Shameem, Azra N. Kamili, **Javid A. Parray**, Rabia Hamid, Suhaib A Bandh. (2015) Antimicrobial and antioxidant activity of methanol extracts of *Arnebia benthamii* (Wall ex. G. Don) Johnston—a critically endangered medicinal plant of North western Himalaya. **Journal of Analytical Science and Technology**, 6:36, 1-8 **Springer**
29. Nowsheen Shameem, Azra N. Kamili, Mushtaq Ahmad; F.A. Masoodi, **Javid A. Parray**. (2015). Radical scavenging potential and DNA damage protection of wild edible mushrooms of Kashmir Himalaya. **Journal of the Saudi Society of Agricultural Sciences**, DOI: 10.1016/j.jssas.2015.10.005. **Elsevier**
30. S.M.M. Akram, Aijaz Ahmad Tak, Peerzada, G.Mustafa and **Javid A Parray** (2015) DNA binding and biological activity of mixed ligand complexes of Cu(II), Ni(II) and Co(II) with quinolones and N donor ligand. **Mediterranean Journal of Chemistry** 4(4),227- 238 DOI: <http://dx.doi.org/10.13171/mjc.4.5.2015.10.06.18.22/tak> (IF-1.3)
31. Sumira Jan, Azra N Kamili, Rehana Hamid, **Javid A Parray** Talat Daud, Parvaiz Ahmad (2014) Feasibility of Radiation Technology for Wastewater treatment. **Desalination and Water Treatment**. 1-16 (IF-1.272) **Taylor and Francis**
32. Nisa, H., Kamili, Azra N, Bandh, S. A., Amin, S., Lone, B.A and **Parray, J.A** (2013) Phytochemical screening, antimicrobial and antioxidant efficacy of different extracts of *Rumex dentatus* L. – a locally used medicinal herb of Kashmir Himalaya. **Asian Pacific Journal of Tropical Disease**. 3 (6): 434-440. **Elsevier**
33. Sumira Jan, Azra N Kamili, Rehana Hamid, **Javid A Parray** (2013) Physiological adaptation in medicinal herbs before snow fall across North Western Himalaya. **Israel journal of Plant Science**. 61(1-4) 123-129 (IF-0.419) **Taylor and Francis**
34. **Javid A. Parray**, Azra N. Kamili, Rehana Hamid, Amjad M. Husaini (2012) *In vitro* cormlet production of saffron (*Crocus sativus* L. Kashmirianus) and their flowering response under

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greenhouse. *GM Crops and Food: Biotechnology in Agriculture and the Food*. 3(4), 289-95  
*Taylor and Francis*.

## INDEXED PUBLICATIONS

1. **Javid A Parray**, Suaib A Bandh and Showkat A Ganai (2017) Impact of cement dust on microbial flora associated with *Crocus stauvuskashmirianus* c.v. Jk Knowledge initiative Higher education Journal, JK 1(1): 62-65..
2. Kirubakaran R, Murugan A, Chinnathambi P, **Javid A Parray** (2017) Influence of Residual Pesticide on Plant Growth Promoting Bacteria Isolated from Agriculture Field. *J Bas Appl PI Sci* 1(2): 110.
3. Sabreena Rafi, Azra N. Kamili, B. A. Ganai, Mohammad Yaseen Mir, **Javid A. Parray**. (2016) Morpho-biochemical evaluation of EMS regenerated mutants of *Bergenia ciliata* (Haw.) Sternb. under in vitro conditions. *Journal of Nature and Natural Sciences* (JNNSci) 1:8,1-4
4. Abida Khan, Hidayatullah Tak, Ruqiyah Nazir, Bashir A Lone, **Javid A Parray** (2014), In Vitro Anthelmintic and Antimicrobial Activities of Methanolic Extracts of *Fumaria Indica*. *Clin Microbial* 3:5
5. **Javid A Parray**, Azra N Kamili, Zaffar A Reshi, Rehana Hamid and Raies A Qadri. (2013) Screening of beneficial properties of rhizobacteria isolated from Saffron (*Crocus sativus* L) rhizosphere. *African Journal of Microbiology Research*. 7(13) 2905-2910
6. Rehana Hamid, **Javid A. Parray**, Azra N. Kamili and Mahmooduzzafar (2012) Chromium stress in *Brassica juncea* L. cv. 'Pusa Jai Kissan' under hydroponic culture. *African Journal of Biotechnology*, 11(90):15658-15663,
7. Sajad H Wani, Asif Amin, Manzoor A Rather, **Javid A Parray**, Qazi Parvaiz, Raies A. Qadri (2012) Antibacterial and Phytochemical Screening of Different Extracts of Five Iris Species Growing in Kashmir. *Journal of Pharmacy Research*, 5(6), 3376-3378.
8. **Javid A. Parray**, Azra N. Kamili, Rehana Hamid, Bashir A Ganai, Khalid Ghazanfar Mustafa and Raies A. Qadri (2011) Phytochemical screening, antifungal and antioxidant activity of *Euryale ferox*- *Salisb*- a threatened aquatic plant of Kashmir Himalaya. *Journal of Pharmacy Research* 4(7):2170- 2174.

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9. **Javid A Parray**, Shafi Sana., Hassan W and Kamili A.N. (2011) Ecology of Sonamarg, Kashmir: A study of microbial community of River Sindh. *Journal of Research and Development*, (10):127-137
10. **Javid A. Parray**, Kamili, A. N., Qadri, R. and Hamid, R. (2010) Evaluation of Antibacterial Activity of *Euryale ferox*. Salisb: A Threatened Aquatic Plant of Kashmir Himalaya. *Journal Medicinal and Aromatic Plant Science and Biotechnology*, 4 (Special Issue1): 80-83,
11. Hamid, R., Kamili, A. N., Zaffar, M., da Silva, J.A.T., Mujib, A. and **Parray, J. A.** (2010) Callus Mediated Shoot Organogenesis from Shoot Tips of *Cichorium intybus*. *Journal Medicinal and Aromatic Plant Science and Biotechnology* 4 Special Issue 1: 84-86,
12. Hamid, R., Kamili, A. N., Zaffar, M., Mujib, A. and **Parray, J. A.** (2010) Impact of Chromium on the Oxidative Defense System of *Brassica juncea* L.cv. Pusa Jai Kissan under Hydroponic Culture. *Journal of Medicinal and Aromatic Plant Science and Biotechnology*, 4 (Special Issue 1): 87-89,
13. **Javid A. Parray** Kamili, A. N., Bhat, A.A and Hamid, R. (2009) Microbiological analysis of Manasbal Lake with reference to fungal community. *J. Himalayan Ecol. Sustain. Dev* 4: 22-27,

### BOOK CHAPTERS

1. Kirubakaran R., Murugan A., **Shameem N., Parray J.A.** (2019) Pesticide Residues in the Soil Cause Cross-Resistance Among Soil Bacteria. In: Sayyed R., Arora N., Reddy M. (eds) Plant Growth Promoting Rhizobacteria for Sustainable Stress Management. Microorganisms for Sustainability, vol 12. Springer, Singapore <https://doi.org/10.1007/978-981-13-6536-2> ISBN978-981-13-6535-5
2. **Javid A. Parray**, Sumira Jan, Mohammad Yaseen Mir, Nowsheen Shameem, and Azra N. Kamili. Quorum Sensing: Melody Beneath the Ground. D. Egamberdieva, P. Ahmad (eds.), Plant Microbiome: Stress Response Microorganisms for Sustainability 5, [https://doi.org/10.1007/978-981-10-5514-0\\_9](https://doi.org/10.1007/978-981-10-5514-0_9) © Springer Nature Singapore Pte Ltd. 2018
3. Rehana Hamid, Azra N Kamili, Mahmooduzzafar, **Javid A Parray**, Sumira Jan, Abdul Mujib and Parvaiz Ahmad. (2013) Mass Multiplication and Phytochemical Studies of *Cichorium intybus* L. In (ed: Biotechnological Techniques of Stress Tolerance in Plants). pp.187-211. **Studium Press LLC USA. ISBN 1-62699-031-X.**
4. Javid Ahmad Parray and Nowsheen Shameem. CORE MICROBIOME: CHARACTERISATION AND IDENTIFICATION . Javid Ahmad Parray and **Nowsheen**

# Curriculum vitae of Dr Javid Ahmad Parray

**Shameem** (EDS.) Sustainable agriculture: Advances in Metabolome and Microbiome. Elsevier. <https://doi.org/10.1016/B978-0-12-817109-7.00002-X>

5. Javid Ahmad Parray and **Newsheen Shameem**. SIGNALOME: COMMUNICATION BETWEEN CROPS AND MICROBES. Javid Ahmad Parray and **Newsheen Shameem** (EDS.) Sustainable agriculture: Advances in Metabolome and Microbiome. Elsevier. <https://doi.org/10.1016/B978-0-12-817109-7.00002-X>

## MEETINGS ATTENDED

1. **Dr. Javid A Parray** Assistant professor, Department of Environmental Science, attended one day Group Monitoring Workshop (GMW) on **15<sup>th</sup> September 2017** at **International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi** organized by SERB-DST.
2. **Dr. Javid A Parray** Assistant professor, Department of Environmental Science, attended one day **Brain Storming Meeting on Development of Prasad Kit network using local resources held on 17<sup>th</sup> August, 2018** in **Department of Biotechnology (DBT), New Delhi**
3. Attended 4 days expert review meeting at Commission for Scientific and Technical Terminology, Ministry of Education, Department of Higher Education, West Block-7, R.K. Puram, New Delhi-110066 for Technical Term selection for class 1-5.
4. Attended 5 days online expert review meeting for preparation of Glossary for level II for chemistry organized by Commission for Scientific and Technical Terminology, Ministry of Education, Department of Higher Education, West Block-7, R.K. Puram, New Delhi-110066

## LEAD LECTURES:

1. Delivered an Invited Lecture in 10 days skill development training “in vitro production of saffron cormlets” programme (12<sup>th</sup> -21<sup>st</sup> January 2020) held at SKUAST-K Shalimar
2. Delivered an Invited Lecture in 4<sup>th</sup> National conference on Plant growth promoting Rhizobacteria for sustainability of agriculture and environment on 11<sup>th</sup> -12<sup>th</sup> May 2018 held at Mizoram University, Mizoram-India
3. Delivered a lecture in 7 days FDP organized by GDC Eidgah at University of Kashmir 20<sup>th</sup> -26<sup>th</sup> September 2022.

## INTERNATIONAL CONFERENCES ATTENDED

1. Presented paper in 5<sup>th</sup> Asian PGPR Conference on sustainable agriculture held at Bogor Indonesia from 16<sup>th</sup> – 19<sup>th</sup> July 2017.

## Curriculum vitae of Dr Javid Ahmad Parray

2. Presented paper in 2nd International Conference on Environment and Ecology held at Bharathiar University, Tamil Nadu on 7-9th March 2016.
3. Presented paper in “Global conference on Unani Medicine, Emerging trends and Future prospects, Oct 12-13th 2015 at SKICC Srinagar.
4. Presented paper in 2nd International Conference on Ayurveda, Unani, Siddha and Traditional Medicine –2014 and AYU – EXPO, Sri Lanka held from 16th-18th December, 2014 at Institute of Indigenous Medicine of Colombo,, Sri Lanka
5. Presented paper in International Conference on Cellular and Molecular mechanisms of diseases processes held at University of Kashmir on 13th-15th April 2014
6. Presented paper on “Influence of Plant Growth Promoting Rhizobacteria (PGPR) on Size of Cormlets of Crocus Sativus Kashmirianus under in vitro Conditions” in 4th International Symposium on Saffron at SKICC J&K India from 22-25th Oct,2012
7. Participated in “Three Day International Workshop on “Energy Resources in J&K. A Case study for Energy Centre in J&K” held on 20th to 22nd May, 2009.
8. Participated in Three day International Conference on Climate Change held 12th to 14th October, 2009

### NATIONAL CONFERENCES/SEMINARS ATTENDED

1. One day webinar on “Nanotechnology for Clean Energy Applications: Opportunities and Challenges” on 16<sup>th</sup> August 2020
2. One week National Online Faculty Development Program on “ICT Tools for Effective Teaching Learning” from 27th April - 2nd May 2020 organised by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
3. Attended Online Webinar on “Data Science Approaches for Genomics and Pandemics” on 14 th May 2020 organised by Manav, The Human Atlas Initiative.
4. (Talk by Dr. Sudhakaran Prabakaran, Department of Genetics, The University of Cambridge, Department of Biology, IISER, Pune).
5. Attended online one day workshop on Planning and organizing research using Scopus and Mendeley” organized by Department of Bio -resources, University of Kashmir in collaboration with Elsevier on 26th April, 2020
6. Attended one-day seminar on LOCF organized by GDC Khansahib Budgam on 12<sup>th</sup> March 2020.
7. Attended and delivered a lecture in National Seminar on Research in environment and Biosciences organized by Indian Academy of Environmental Science (IAES) and DAV College Dehradun at Dehradun (22-23<sup>rd</sup> June 2018)

## Curriculum vitae of Dr Javid Ahmad Parray

8. Delivered an Invited Lecture in 4<sup>th</sup> National conference on Plant growth promoting Rhizobacteria for sustainability of agriculture and environment on 11<sup>th</sup> -12<sup>th</sup> May 2018 held at Mizorum University, Mizorum-India
9. Three days National workshop organized by CSIR-NISCAIR-DST on Science, Technology and Innovation Policy from 23-25<sup>th</sup> January. 2018 at New Delhi.
10. Presented paper in National Conference on 'Basic and Applied Research in Plants **and Microbes**' held in the Department of Botany, Punjabi University, Patiala from November 3<sup>rd</sup> – 5<sup>th</sup>, 2016.
11. Attended Brain storming meeting on saffron Tissue Culture on "**National Agriculture Innovation Project. A value chain on Kashmir Saffron.**" 29<sup>th</sup> Jan 2011 held at SKUAST-K, Shalimar Srinagar and also delivered a lecture on the title "Application of Biotechnological tool for saffron propagation".
12. Attended Brain Storming Discussion Meeting on theme "**Improving Corm Multiplication Technology in Saffron**" on 17<sup>th</sup> October, 2011 at Gandhi Bhawan, University of Kashmir sponsored by Department of Biotechnology, Gol, New Delhi.
13. Presented paper in **6<sup>th</sup> JK Science Congress** held by University of Kashmir 2<sup>th</sup>–4<sup>th</sup> December 2010.
14. Presented a paper in Two day national conference on "**Technological innovation on saffron**", organised by SKUAST-K held on 25<sup>th</sup> -26<sup>th</sup> November, 2010.
15. Presented paper in **National Conference on "Biodiversity, Present Status and Future Challenges"** held by Department of Botany, University of Kashmir, and Srinagar on 27<sup>th</sup> to 28<sup>th</sup> March, 2009.
16. Two day National Workshop on "**Spatial Planning for G-Governance**" held on 29-30<sup>th</sup> June, 2009.
17. Presented paper in **4<sup>th</sup> J&K Science Congress** held at University of Kashmir, 12<sup>th</sup> to 14<sup>th</sup> November, 2008.
18. Presented paper in NATIONAL SEMINAR "Environmental Pollution: Join the Race to Make the World a Better Place" June 4 -5, 2016
19. Presented paper in National seminar on "**Status of India's Biodiversity under changing climatic conditions with special reference to Semiarid zone of Bundelkhand region for upliftment of rural economy and women empowerment**" held at Bundelkhand University,, UP from 4<sup>th</sup>-6<sup>th</sup>,2016
20. Presented paper in **11<sup>th</sup> J&K Science Congress** held at University of Kashmir, 10<sup>th</sup>-12<sup>th</sup> October, 2015.



# Curriculum vitae of Dr Javid Ahmad Parray

21. Attended 3rd workshop on **Saffron Network programme** held at University of Kashmir on 21st and 22nd August 2015.
22. Presented paper in National Conference on **Status and conservation of Biodiversity in India with special reference to Himalaya** on 4th- 5th October, 2013.
23. Presented paper in **9th J&K Science Congress** held at University of Kashmir, 1st-3rd October, 2013.
24. Presented paper in **8th J&K Science Congress** held at University of Kashmir, 17th to 19th September, 2012.
25. National Workshop on **“Research Methods and Statistical Techniques”** organized by Department of Library and information Science, University of Kashmir in collaboration with Academic staff college, UOK held on 14-16th June, 2011.

## EXPERTISE IN EQUIPMENT OPERATION

1. Uv-Visible spectrophotometer
2. Fluorescence microscope
3. PCR
4. Gel electrophoresis
5. Cooling centrifuge
6. Lyophilizer
7. Gel doc

## RESEARCH-RELATED SKILLS

- \* Microbial ecology (microbiome study of medicinal plants, plant microbe interactions, metabolic potential of rhizoflora, molecular characterization of rhizobacteria)
- \* Micro propagation of medicinal herbs and other valuable cash crops for medicinal and economic purposes.
- \* Isolation and characterization of secondary metabolites from plant growth promoting rhizobacteria
- \* Exploration and characterization of medicinal herbs for secondary metabolites vis-a-vis their bioactivity

## COMPUTER SKILLS

- Good command on Microsoft Office™ tools, Internet related work, Familiar on working with different presentation and formatting tools/software.
- Skilled about operating SPSS, EcoSim and Bio Diversity Pro and other Statistical softwares.

## E-CONTENTS / MOOCS PREPARED

Prepared and presented the following e-contents/ MOOCS Programmes in the EMMRC, University of Kashmir as part of the digitalization of the syllabus of Environmental Studies

1. Concept of Ecological footprint
2. Carbon sequestration

# Curriculum vitae of Dr Javid Ahmad Parray

3. Biological diversity act (2002)
4. National Green Tribunal Act (2010)
5. Monitoring and management of biodiversity
6. Management of mineral resources
7. Management of fresh water resources
8. Management of forest resources
9. Microbial diversity in soil
10. Functions of microorganisms in environment
11. Microbes and Environment
12. Microbial diversity conservation
13. Plasmids, Mycoplasma
14. Overview of prokaryotes and eukaryotes
15. Marine Pollution

## COMMUNICATION SKILLS

Good communication skills gained through my experience as teacher and as a researcher.

## MEMBERSHIP OF SCIENTIFIC SOCIETIES

-  Indian Academy of Environmental Sciences (IAES)
-  Asian PGPR Society

## REFERENCES

### 1. Prof. M. S. Reddy

Former Professor, Consultant & Entrepreneur, Auburn University Auburn, AL, USA, Ph: 334-559-1971 (Cell),  
Email: prof.m.s.reddy@gmail.com

### 2. DR Elsayed Fathi Abd\_Allah

Associate professor, Plant Production Department, College of Food and Agricultural Sciences, King Saud University,  
P.O. Box. 2460 Riyadh 11451, Saudi Arabia.

### 3. DR. DIULFUZA EGAMBERDIEVA

Institute of Landscape Biogeochemistry  
The Leibniz Centre of Agriculture Landscape Research (ZALF) (Eberswalder Strabe 84; Dulfuza.egamberdieva.zalf.de ;  
Tel:+49(0) 33432824071

**Dr. Javid A. Parray**