

Curriculum Vitae

Rajeshwari Negi

Teaching Associate - Biotechnology

Eternal University, Baru Sahib

Sirmour-173101, Himachal Pradesh, India

Contact: +91-6230080654

Email: rajeshwarinegi05@gmail.com

Website: <https://sites.google.com/view/rajeshwarinegi/>

Aadhaar card No: 6630 3822 5748



Publications: 72

In current year	2025	40	
In the last	2024	28	
Total	2024-2025	68	34/ year (02 years)

Awards/Honors/ Distinctions/Peer Recognition

1. **Best Researcher Award-2024: In 12th Convocation 2025**, Eternal University, Baru Sahib
2. **2nd Rank in SCOPUS-2025**: Eternal University, Baru Sahib, Himachal Pradesh
3. **Young Scientist Award-2025**: Indrashil University, Gujarat
4. **Best Poster Presentation Award-2022**: Eternal University, Baru Sahib, Himachal Pradesh
5. **Best Poster Presentation Award-2021**: Eternal University, Baru Sahib, Himachal Pradesh

- **Associate Editor**: Journal of Applied Biology and Biotechnology
- **Section Editor**: Plant Science Today
- **Reviewer for Journals**: 15

I. Professional, Educational & Academic Qualification

Exam	Subject(s)	Institute/University/Board	Year	%	Division
Ph.D.	Biotechnology	Eternal University	2025	-	-
M.Sc.	Biotechnology	Eternal University	2022	70.0	1st
B.Sc.	Bot/Chem/Zoo	Himachal Pradesh University	2020	61.2	1st
12 th	Science (Bio)	Himachal Pradesh Board	2017	74.4	1st
10 th	Science	Himachal Pradesh Board	2015	65.4	1st

* **Science (Bio)**: Biology, Physics, Chemistry, English, Computer Science

****Science**: English, Mathematics, Hindi, Social Science, Science & Technology, Sanskrit, Computer Science

II. Research Interest

1. Microbial diversity, Plant-microbes Interactions
2. Development of eco-friendly technologies (Biofertilizers, and Biopesticides)
3. Extremophilic Microbiomes, diversity and applications
4. Soil Microbiome for crop improvement
5. Probiotic and Functional Food for human health

First Reports

1. Published **11 first reports** in different journals on microbe having plant growth promoting attributes for agricultural sustainability and related sustainable development goals (SDGs)- **"Goal 2: Zero hunger"** and **"Goal 12: Responsible consumption and production"**

Ph.D. (Microbial Biotechnology)

Thesis title: “Development of liquid microbial consortium with multifunctional plant growth promoting attributes to enhance crop productivity” under the supervision of Dr. Ajar Nath Yadav, Eternal University, Himachal Pradesh, India.

Publications: 11 (Research-06, Review-05)

Registration: 20/09/2022

M.Sc. (Microbial Biotechnology)

Thesis title: “Endophytic microbes associated with *Aegilops kotschy* and their role in plant growth promotion” under the supervision of Dr. Ajar Nath Yadav, Eternal University, Himachal Pradesh, India (Dissertation work: 2020-2022).

Publications: 03 (Research- 02; Review-01)

III. Research Experience

***Ph.D. dissertation/thesis** is carried out on the title entitled “Development of liquid microbial consortium with multifunctional plant growth promoting attributes to enhance crop productivity” under the supervision of Dr. Ajar Nath Yadav, Deputy Director- RDC & IQAC (World Top 2% Scientists), Eternal University, Himachal Pradesh, India.

***M.Sc. dissertation/thesis** was carried out on the title entitled “Endophytic microbes associated with *Aegilops kotschy* and their role in plant growth promotion” under the supervision of Dr. Ajar Nath Yadav, Deputy Director- RDC & IQAC (World Top 2% Scientists), Eternal University, Himachal Pradesh, India.

IV. Subjects Taught

SN	Subject	Credit	Course
1.	Principles of Biotechnology (MBB-501)	0+3	M.Sc. Molecular Biology and Biotech
2.	Biofertilizer and Biopesticide Production SEC-111	0+2	B.Sc. (Hons) Agriculture, I-Sem
3.	Agricultural Microbiology (MICRO-102)	1+1	B.Sc. (Hons) Agriculture, II-Sem
4.	Food Biotechnology (FT-213)	2+1	B. Tech Food Technology, IV-Sem
5.	Prod Tech for Bioagents and Biofert (READY-401)	0+10	B.Sc. (Hons) Agriculture, VIII-Sem

V. Publications

Research & Innovations

1. ORCID: <http://orcid.org/0009-0009-4445-1237>
2. Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57868507900>
3. Google Scholar: <https://scholar.google.com/citations?user=T6Dh8s8AAAAJ&hl=en>
4. WoS: <https://www.webofscience.com/wos/author/record/40040651>
5. PubMed: <http://www.ncbi.nlm.nih.gov/pubmed/?term=Yadav+AN>
6. Research Gate: <https://www.researchgate.net/profile/Rajeshwari-Negi>
7. LinkedIn: <https://www.linkedin.com/in/rajeshwari-negi-02412a276/>
8. Academia: <https://independent.academia.edu/RajeshwariNegi>
9. Loop: <https://loop.frontiersin.org/people/2031053/overview>
10. ScholarGPS®: <https://scholargps.com/scholars/51206697593443/rajeshwari-negi>
11. Website: <https://sites.google.com/view/rajeshwarinegi/>

Details of publications: 72

	Total Published (2022-2025)	Last year (2024)	Current year (2025)
Research/review papers	59	24	28
Book chapters	11	02	11
Book	01	-	01
	71	25	40



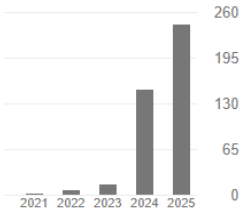
Rajeshwari Negi

Eternal University, Baru Sahib, Himachal Pradesh
Verified email at eternaluniversity.edu.in

[Agricultural Sustainability](#) [Microbial Biotechnology](#) [Plant-Microbe Interaction](#)

Cited by [VIEW ALL](#)

	All	Since 2020
Citations	570	425
h-index	13	12
i10-index	17	13



Journals' rankings BETA				Report a bug
Q1 18% 11	Q2 21% 13	Q3 43% 26	NA 18% 10	
— based on 60 most cited papers in the last 10 years				

TITLE	CITED BY	YEAR
☐ Endophytic nitrogen-fixing bacteria: untapped treasurer for agricultural sustainability KL Rana, D Kour, T Kaur, R Negi, R Devi, N Yadav, PK Rai, S Singh, ... NA J Appl Biol Biotechnol 11 (2), 75-93	43	2021
☐ Plant endophytes: unveiling hidden applications toward agro-environment sustainability R Negi, B Sharma, S Kumar, KK Chaubey, T Kaur, R Devi, A Yadav, ...	33	2021

Co-authors [EDIT](#)

- Ajay Nath Yadav**
Deputy Director, RDC & IQAC, E...
- Tanvir Kaur**
Graphic Era University, Dehradun
- Sarvesh Rustagi**
Uttaranchal university
- Babita Sharma**
Eternal University

<https://scholar.google.com/citations?user=T6Dh8s8AAAAJ&hl=en>

Scopus



Negi, Rajeshwari

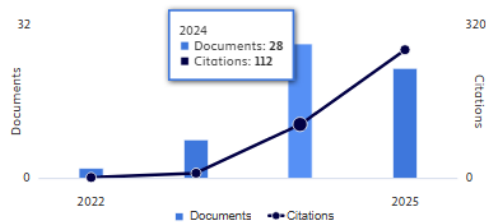
Eternal University, Baru sahib, India • Scopus ID: 57868507900 • [0009-0009-4445-1237](#)

391
Citations by **288 documents**

61
Documents

12
h-index [View h-graph](#)

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Topic	Author documents	Topic FWC1
Enhancing Plant Growth through Beneficial Microorganisms	18	1.63
Probiotic Viability in Functional Food Development	4	1.25
Endophytic Fungi as Sources of Bioactive Compounds	3	0.98
Microbiome Interactions in Plant Growth and Resilience	2	1.68

<https://www.scopus.com/authid/detail.uri?authorId=57868507900>

**Rajeshwari Negi** ✓

(Negi, Rajeshwari)

Identifiers

Web of Science ResearcherIDHTS-0468-2023

<http://orcid.org/0009-0009-4445-1237>**Published names**

Negi, Rajeshwari

Organizations

Eternal Univ Baru Sahib

Subject CategoriesBiotechnology & Applied Microbiology;
Microbiology Science & Technology - Plant
Sciences Life Sciences**Metrics**[← Open dashboard](#)**Profile summary**

46	Total documents
44	Publications indexed in WoS
37	WoS Core Collection publications
32	Verified peer reviews
-	Verified editor records

WoS Core Collection metrics

10	37
H-Index	Publications
256	186
Sum of Times Cited	Citing Articles

<https://www.webofscience.com/wos/author/record/40040651>**Details of Publications**

SN	Journal	Publisher	SCI mago	CiteScore	IF
1.	Plant Physiology and Biochemistry	Elsevier	Q1	10.0	5.7
2.	Pedosphere	Elsevier	Q1	11.4	5.2
3.	Plant Stress	Elsevier	Q1	6.9	6.9
4.	Food Bioscience	Elsevier	Q1	6.8	5.9
5.	Journal of Plant Growth Regulation	Springer	Q1	9.7	4.4
6.	Water, Air, & Soil Pollution	Springer	Q2	4.6	3.0
7.	Biocatalysis and Agricultural Biotechnology	Elsevier	Q1	6.8	3.8
8.	Heliyon	Elsevier	Q1	4.1	3.6
9.	Physiological and Molecular Plant Pathology	Elsevier	Q2	5.0	3.3
10.	Folia Microbiologica	Springer	Q2	6.0	3.1
11.	Current Microbiology	Springer	Q2	4.8	2.6
12.	Egyptian Journal of Biological Pest Control	Elsevier	Q1	5.6	2.1
13.	Indian Journal of Microbiology	Springer	Q3	3.8	1.6
14.	Biologia	Springer	Q2		1.6
15.	National Academy Science Letters	Springer	Q3	2.8	1.3
16.	Journal of Applied Biology and Biotechnology	Open Science	Q3	2.5	-
17.	Vegetos	Springer	Q3	2.3	-
18.	Journal of Food Quality	John Wiley & Sons	Q2	8.2	2.9
19.	Journal of Dispersion Science and Technology	Taylor & Francis	Q3	5.0	2.2
20.	Ecological Frontiers	Elsevier	Q2	6.3	-
21.	Journal of Natural Pesticide Research	Elsevier	Q1	4.2	-
22.	Proceedings of the Indian National Science Academy	Springer	Q2	2.7	2.1

Publications related to Sustainable Development Goals (SDGs) – Scopus (53)

SDGs		Publications	SDGs		Publications
	Goal 1: No poverty	-		Goal 10: Reduce inequality	-
	Goal 2: Zero hunger	32		Goal 11 Sustainable cities and communities	-
	Goal 3: Good health and well-being	14		Goal 12 Responsible consumption and production patterns	28
	Goal 4 Quality education	-		Goal 13: Climate action	03
	Goal 5 Gender equality	-		Goal 14: Life below water	01
	Goal 6: Clean water and sanitation	02		Goal 15: Life on land	03
	Goal 7: Affordable and clean energy	-		Goal 16: Peace, justice and strong institutions	-
	Goal 8 Decent work and economic growth	27		Goal 17: Partnership for the goals	01
	Goal 9: Industry, innovation and infrastructure	06			

- **Significance of research among the global scientific community**
- <https://www.scopus.com/authid/detail.uri?authorId=57868507900&origin=AuthorProfile#tab=impact>

	2025 (28)	2024 (23)	2023 (07)	2022(02)
60.	Jan T, Negi R , Hilal A, Kaur S, Kour D, Khan SS, Shreaz S, Chauhan P, Yadav N, Rustagi S, Rai AK, Singh S, Yadav AN, Ahmed N. 2025. Microencapsulation Techniques for Probiotic Formulations: Current Scenario and Future Perspective. <i>Journal of Food Quality</i> 2025: 6738124. https://doi.org/10.1155/jfq/6738124 [ISSN: 0146-9428; Wiley] -[IF-2.9, CiteScore: 8.2, Q2]			2025 [28]
59.	Negi R , Sharma B, Kour D, Yadav N, Singh S, Yadav AN. 20225. First report on co-inoculation of nitrogen fixer <i>Rhizobium lentis</i> EU-LRN-45 and phosphorus solubilizer <i>Acinetobacter junii</i> EU-LRN-68 for plant growth promotion of lentil (<i>Lens culinaris</i> L.) in hilly region of Indian Himalayas. National Academy Science Letters . -[IF-1.2; CiteScore: 2.2, Q3].			2025 [27]
58.	Negi R & Yadav AN. 20225. Novel liquid microbial consortium of mineral availing and phytohormones producing green bio-inoculants with multifunctional attributes for plant growth promotion of garlic (<i>Allium sativum</i> L.) in hilly regions of Indian Himalayas. Biologia . [ISSN: 0006-3088; Springer] -[IF-1.4, CiteScore:3.4, Q2]			2025 [26]
57.	Darshani P, Sharma S, Harisha CR, Patel B, Negi R , Yadav AN. 2025. Tylosis formation and micro evaluation of three different heartwood of Devadaru, Sarala and Vijaysar: A scientific study. <i>Proceedings of the Indian National Science Academy</i> . https://doi.org/10.1007/s43538-025-00497-w . [ISSN: 2454-9983; Springer] [IF- 2.1, CiteScore: 2.7, Q2]			2025 [25]
56.	Kaushik R, Singh G, Jarial S, Saroha A, Kumar R, Kaur H, Wani AW, Kumar P, Kumar A, Verma P, Bashir I, Yadav N, Negi R , Yadav AN. 2025. Influence of IBA concentrations, zinc synergy, and carrier agents on rooting and shooting attributes of rough lemon rootstock cuttings. <i>Plant Science Today</i> . [IF- 0.9, NAAS score: 6.7, Q3]			2025 [24]
55.	Farzeen R, Kaur J, Banipal TS, Lal M, Yadav AN, Negi R , Kant R, Upadhyaya SK, Thakur N, Kishore K. 2025. Synthesis, thermodynamics of self-aggregation, surface-active, and antimicrobial properties of pyrrolidinium surfactants. Journal of Dispersion Science and Technology . 1–13. https://doi.org/10.1080/01932691.2025.2525164 . [Taylor & Francis] [IF- 1.9, CiteScore: 5.0, Q2]			2025 [23]
54.	Negi R , Sharma B, Jyothi SR, Gupta A, Yadav N, Kaur N, Puri P, Singh S, Rai AK, Shreaz S, Yadav AN. 2025. First Report on Development of Liquid Microbial Consortium for Plant Growth Promotion of Flax (<i>Linum usitatissimum</i> L.) Growing in Indian Himalayan Regions. Current Microbiology 82: 363. https://doi.org/10.1007/s00284-025-04350-7 [ISSN:1432-0991; Springer] [IF- 2.6, CiteScore: 3.9, Q2]			2025 [22]
53.	Sharma S, Sharma B, Negi R , Ramniwas S, Kour H, Kaur T, Kour D, Yadav AN, Ahluwalia AS. 2025. First Report of Psychrotrophic Nitrogen Fixing <i>Staphylococcus aureus</i> EU-GPKR-19 and P-Solubilizing <i>Bacillus subtilis</i> EU-SSNR-71 for Alleviation of Cold Stress in Barley (<i>Hordeum vulgare</i> L.) in Mountainous Regions. National Academy Science Letters . https://doi.org/10.1007/s40009-025-01693-4 [ISSN: 2250-1754; Springer] -[IF-1.2; CiteScore: 2.2, Q3]			2025 [21]
52.	Negi R , Sharma B, Yadav N, Kaur N, Yadav A, Puri P, Singh S, Yadav AN (2025). Novel potassium solubilizing bacterium <i>Pseudomonas marginalis</i> (EU-MRN-08) and its role in plant growth promotion of maize (<i>Zea mays</i> L.). Biologia . https://doi.org/10.1007/s11756-025-01969-6 [ISSN: 0006-3088; Springer] -[IF-1.4, CiteScore:3.4, Q2]			2025 [20]

51.	Devi R, Kaur T, Negi R , Sharma B, Kumar S, Singh S, Rai AK, Rustagi S, Yadav A, Kumar A, Kour D, Yadav AN (2025) Microbes Mediated Nutrient Dynamics for Plant Growth Promotion: Current Research and Future Challenges. Indian Journal of Microbiology . https://doi.org/10.1007/s12088-024-01405-4 [ISSN: 0973-7715; Springer] [IF- 2.1; CiteScore- 1.8; Q3]	2025 [19]
50.	Yadav AN, Negi R , Jan T, Sharma B, Kaur T, Ahmed N, Singh S, Shreaz S, Yadav A, Puri P, Kaur N, Yadav N (2025). Microbial biotransformation for production of valuable aroma compounds: Current research and future challenges. Journal of Applied Biology and Biotechnology 13(Sp1): 1-21. https://doi.org/10.7324/JABB.2025.214012 [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [18]
49.	Sharma S, Sharma B, Negi R , Ramniwas S, Kaur T, Kour D, Yadav AN (2024) First report of minerals fixing endophytic and solubilizing rhizospheric bacteria for growth promotion of wheat (<i>Triticum aestivum</i> L.) in hilly regions. National Academy Science Letters . https://doi.org/10.1007/s40009-024-01550-w [ISSN: 2250-1754; Springer] -[IF- 1.2; CiteScore: 2.2, Q3]	2025 [17]
48.	Saxena R, Kuymar m, tomar RS, Yadav N, Kaur N, Puri P, Yadav A, Negi R , Yadav AN (2025) Genome editing: A new age technology for sustainable agriculture and developing abiotic stress resilience in crops. Journal of Applied Biology and Biotechnology https://doi.org/10.7324/JABB.2025.232158 [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [16]
47.	Kumar K, Singh R, Sharma M, Jyothi R, Gupta A, Yadav N, Kaur N, Singh S, Shreaz S, Negi R , Yadav AN (2025). Microplastics in the ecosystems: Impacts on environmental sustainability Journal of Applied Biology and Biotechnology https://doi.org/10.7324/JABB.2025.173996 [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [15]
46.	Negi R , Yadav AN (2025) First Report on ACC Deaminase Producing Novel Psychrotrophic Bacterium <i>Planococcus donghaensis</i> (EU-MRN-53) Induced Chilling Resistance in Indian Mustard (<i>Brassica juncea</i> L.). National Academy Science Letters . https://doi.org/10.1007/s40009-025-01638-x [ISSN: 2250-1754; Springer] -[IF- 1.2; CiteScore: 2.2, Q3]	2025 [14]
45.	Dhiman VK, Rna N, Dhiman VK, Sharma A, Pandey H, Pandey M, Singh D, Puri P, Yadav N, Chowdhury S, Rustagi S, Shreaz S, Negi R , Yadav AN (2024) Plant growth promoting rhizobacteria as biostimulants for plant and soil health: Current research and future challenges. Journal of Applied Biology and Biotechnology [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [13]
44.	Kirubakaran R, Shameem N, Saranya Elumalai, Meenambigai K, Dhanasekar R, Parray JA, Yadav N, Singh S, Rustagi S, Sharma B, Negi R , Yadav AN (2025). <i>Streptomyces</i> as endomicrobiome: Potential bioinoculants for agricultural sustainability. Journal of Applied Biology and Biotechnology . 13(4):1-15 https://doi.org/10.7324/JABB.2025.202260 [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [12]
43.	Devi R, Alsaffar MF, Al-Taey DKA, Kumar S, Negi R , Sharma B, Singh S, Rai AK, Rustagi S, Yadav A, Kaur T, Kour D, Yadav AN, Ahluwalia AS (2024) Effect of indigenous mineral availing microbial consortia and cattle manure combination for growth of maize (<i>Zea mays</i> L.). Vegetos . https://doi.org/10.1007/s42535-024-00897-1 , [ISSN: 2229-4473; Springer]-[CiteScore: 2.0, Q3]	2025 [11]
42.	Sharma B, Negi R , Ramniwas S, Kour H, Kumar S, Chaubey KK, Kour D, Yadav AN, Ahluwalia AS (2024). First report on novel cellulase producing <i>Psilocybe ovoideocystidiata</i> EU-FB-14 endophytic mushroom from <i>Cannabis sativa</i> growing in hilly region of Indian Himalayas. National Academy Science Letters . National	2025 [10]

	Academy Science Letters. https://doi.org/10.1007/s40009-024-01544-8 [ISSN: 2250-1754; Springer] -[IF-1.2; CiteScore: 2.2, Q3]	
41.	Chahan D, Singh D, Pandey H, Mishra DC, Khan S, Pandey M, Chowdhury S, Kapoor M, Rustagi S, Shreaz S, Negi R , Yadav AN (2025). Growth and survival of microbes on different material surfaces: Current scenario and future challenges. Journal of Applied Biology and Biotechnology http://doi.org/10.7324/JABB.2025.197083 [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [9]
40.	Kaur T, Devi R, Negi R , Kour H, Singh S, Khan SS, Kumari C, Kour D, Chowdhury S, Kapoor M, Rai AK, Rustagi S, Shreaz S, Yadav AN (2025) Macronutrients availing microbiomes: biodiversity, mechanisms, and biotechnological applications for agricultural sustainability. Folia Microbiologica. 70: 293–319 https://doi.org/10.1007/s12223-024-01220-w [ISSN:1874-9356; Springer]-[IF: 2.6, CiteScore-5.3, Q2]	2025 [8]
39.	Kumar R, Singh S, Gangwar LK, Kumar V, Ojre A, Singh A, Yadav N, Kaur N, Puri P, Negi R , Yadav AN (2025) CRISPR/Cas: A precise and advanced tool for quality trait improvement in crops. Ecological Genetics and Genomics. 35:100346. [CiteScore-1.8; Q3]	2025 [7]
36.	Kumar R, Srivastava S, Rana M, Shameem N, Parray JA, Negi R , Yadav AN (2025) First report of <i>Phytophthora capsici</i> causing phytophthora blight on bell pepper (<i>Capsicum annuum</i> L.) from Haryana, India. National Academy Science Letters 48: 153-156 https://doi.org/10.1007/s40009-024-01459-4 . [ISSN: 2250-1754; Springer] - [IF-1.2; CiteScore: 2.2, Q3]	2025 [6]
37.	Mishra P, Tripathi G , Mishra V, Ilyas T , Irum , Firdaus S, Ahmad S , Farooqui A , Yadav N, Rustagi S, Shreaz S , Negi R , Yadav AN (2025). Antibiotic contamination in wastewater treatment plant effluents: Current research and future perspectives. Environmental Nanotechnology, Monitoring and Management. 23: 101047 https://doi.org/10.1016/j.enmm.2025.101047 [ISSN: 2215-1532, Elsevier]-[CiteScore: 13, Q1]	2025 [05]
36.	Santhoshini, Thonta R, Kumar R, Dubey N, Avinash HA, Kumar S, Singh S, Rai AK, Rustagi S, Shreaz S, Negi R , Yadav AN (2025). Advancing in orphan crops through innovative breeding methods and genomic approaches: Current research and future challenges. Journal of Applied Biology and Biotechnology. 13(2): 9-19 https://doi.org/10.7324/JABB.2025.183553 [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [04]
35.	Negi R , Sharma B, Kaur T, Yadav N, Rustagi S, Shreaz S, Kour D, Yadav AN (2025) First report on novel multifunctional plant growth promoting bacterium <i>Sporosarcina Globispora</i> (EU-GRN-46) from Himalayan region of Kinnaur and their effect on growth promotion of garlic (<i>Allium sativum</i> L.) National Academy Science Letters. https://doi.org/10.1007/s40009-024-01594-y [ISSN: 2250-1754; Springer] -[IF-1.2; CiteScore: 2.2, Q3]	2025 [03]
34.	Negi R , Yadav N, Yadav AN (2025). Microbial biofertilizers: A paradigm shift towards agricultural sustainability. Biologia, https://doi.org/10.1007/s11756-024-01848-6 [ISSN: 0006-3088; Springer] -[IF-1.4, CiteScore:3.3, Q2]	2025 [02]
33.	Negi R , Sharma B, Jan T, Kaur T, Khan SS Yadav N, Rai AK, Rustagi S, Shreaz S, Kour D, Ahmed N, Negi P, Chowdhary S, Kapoor M, Singh S, Yadav AN (2025) Bioactive compounds as plant-based functional foods for human health: Current scenario and future challenges. Journal of Applied Biology and Biotechnology. 13(1):1-23. https://doi.org/10.7324/JABB.2024.180889 [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [01]
32.	Kaur J, Farzeen R, Banipal TS, Singh M, Lal M, Yadav AN, Negi R , Upadhyaya SK, Kishore K (2024) Appraisal of surface-active properties and micellization behaviour of	2024 [23]

	imidazolium gemini surfactants. Supramolecular Chemistry , 35(1–12), 17–29. https://doi.org/10.1080/10610278.2024.2423620 [ISSN: 1061-0278; Taylor & Francis]-[IF-2.1; CiteScore: 3.6, Q2]	
31.	Rana KL , Negi R, Sharma B, Yadav A, Devi R, Kaur T, Shreaz S, Rustagi S, Rai AK, Singh S, Kour D, Yadav AN (2024) Potential effect of novel endophytic nitrogen fixing diverse species of <i>Rahnella</i> on growth promotion of wheat (<i>Triticum aestivum</i> L.). Journal of Crop Science and Biotechnology . 27: 605–615. https://doi.org/10.1007/s12892-024-00254-3 [ISSN: 2005-8276; Springer] [CiteScore-2.9, Q2]	2024 [22]
30.	Kaur T, Devi R, Negi R , Kumar S, Singh S, Rustagi S, Shreaz S, Rai AK, Kour D, Yadav AN (2024) Microbial consortium with multifunctional attributes for the plant growth of eggplant (<i>Solanum melongena</i> L.). Folia Microbiologica . 69: 1255–1266 https://doi.org/10.1007/s12223-024-01168-x [ISSN:1874-9356; Springer]-[IF: 2.6, CiteScore-5.3, Q2]	2024 [21]
29.	Devi R, Alsaffar MF, Al-Taey DKA, Kumar S, Negi R , Sharma B, Kaur T, Rustagi S, Kour D, Yadav AN, Ahluwalia AS (2024) Synergistic effect of minerals solubilizing and siderophores producing bacteria as different microbial consortium for growth and nutrient uptake of oats (<i>Avena sativa</i> L.). Vegetos . 37: 1863–1875. https://doi.org/10.1007/s42535-024-00922-3 [ISSN: 2229-4473; Springer]-[CiteScore: 2.0, Q3]	2024 [20]
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26.	Kaur T, Negi R , Sharma B, Kaur S, Khan SS, Kour D, Singh S, Rustagi S, Shreaz S, Yadav N, Kumar M, Rai AK, Yadav AN (2024) Omics technologies for understanding the plant–fungal endophyte interactions: crop improvement for future security. Journal of Applied Biology and Biotechnology . 12(6):1-11, https://doi.org/10.7324/JABB.2024.191389 . [ISSN: 2347-212X; Open Science Publishers LLP] -[CiteScore- 1.8; Q3]	2024 [17]
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17.	Sharma B, Negi R , Kour H, Ramniwas S, Kumar S, Rustagi S, Singh S, Kour D, Yadav AN, Ahluwalia AS (2024) Isolation and characterization of endophytic bacteria from medicinal plants (<i>Berberis aristata</i> and <i>Xanthium strumarium</i>) for Rosemary plant growth promotion. Vegetos . 37: 749–756 . https://doi.org/10.1007/s42535-024-00826-2 , [ISSN: 2229-4473; Springer] [-[CiteScore: 2.0, Q3]	2024 [08]
16.	Jan T, Negi R , Sharma B, Kour D, Kumar S, Rai AK, Rustagi S, Sheikh MA, Kumar K, Ahmed N, Yadav AN (2024) Probiotic formulations for human health: Current research and future perspective. Journal of Applied Biology and Biotechnology 12(4):14-29 , https://doi.org/10.7324/JABB.2024.166024 . [ISSN: 2347-212X; Open Science Publishers LLP] [-[CiteScore- 1.8; Q3]	2024 [07]
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1.	Negi R , Kaur T, Devi R, Kour D, Sheikh I, Tyagi V, Yadav AN (2022) First Report on <i>Rahnella</i> sp. strain EU-A3SNfb, A Plant Growth Promoting Endophytic Bacterium from Wild Wheat Relative <i>Aegilops kotschy</i> . National Academy Science Letters , 45: 393–396 . https://doi.org/10.1007/s40009-022-01139-1 . [ISSN: 2250-1754; Springer] [ISSN: 2250-1754; Springer] [IF-1.1; CiteScore: 1.8, Q3]	2022 [01]

Book chapters: 11

2025 (07)	2024 (02)	2023 (01)	2021 (1)
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11	Negi R , Yadav AN (2025). Plant-Microbe Interaction for Environmental and Agricultural Sustainability: Conclusion and Future Challenges. In: Pandey A, Choure K, El-Sheekh M, Yadav AN (eds) Plant-Microbe Interactions for Environmental and Agricultural Sustainability. Springer Nature Switzerland, Cham, pp 695-716. https://doi.org/10.1007/978-3-031-84939-8_26 [ISBN: 978-3-031-84939-8]	2025 [07]
10	Negi R , Jan T, Sharma B, Kaur T, Kaur G, Thakur A et al. (2025) Microbial Nanotechnology: The Next-Generation Technology for Sustainable Agriculture. In: Pandey A, Choure K, El-Sheekh M, Yadav AN (eds) Plant-Microbe Interactions for Environmental and Agricultural Sustainability. Springer Nature Switzerland, Cham, pp 493-520. https://doi.org/10.1007/978-3-031-84939-8_19 [ISBN: 978-3-031-84939-8]	2025 [06]
09	Sharma B, Negi R , Kaur T, Yadav N, Kour D, Yadav AN et al. (2025) Mitigating Abiotic Stress in Plants Using Various Alleviators. In: Pandey A, Choure K, El-Sheekh M, Yadav AN (eds) Plant-Microbe Interactions for Environmental and Agricultural Sustainability. Springer Nature Switzerland, Cham, pp 353-377. https://doi.org/10.1007/978-3-031-84939-8_15 [ISBN: 978-3-031-84939-8]	2025 [05]
08	Kaur T, Jhamta S, Sharma B, Negi R , Kour D, Thakur N et al. (2025) Rhizosphere, Mycorrhizosphere, and Hyphosphere as Distinct Niches for Microbiomes for Agricultural Sustainability. In: Pandey A, Choure K, El-Sheekh M, Yadav AN (eds) Plant-Microbe Interactions for Environmental and Agricultural Sustainability. Springer Nature Switzerland, Cham, pp 171-190. https://doi.org/10.1007/978-3-031-84939-8_8 [ISBN: 978-3-031-84939-8]	2025 [04]
07.	Negi R , Sharma B, Jan T, Kaur T, Kour D, Yadav N, Kumar A, Rustagi S, Yadav A, Ahmed N, Yadav AN (2025) Bioprospecting of microbial inoculants for enhancing secondary metabolite production in medicinal plants. Kumar A, Singh J, Lopez AMQ, Kharwar RN (eds) Microbial Inoculants: Soil Dynamics And Nutrient Bioavailability, pp- 23-48. https://doi.org/10.1016/B978-0-443-23560-3.00006-1 [ISBN: 978-0-443-23560-3]	2025 [03]
06.	Kour D, Kaur S, Kaur T, Sharma B, Negi R , Khan SS, Sheikh I, Maithani D, Kour H, Ramniwas S, Rustagi S, Yadav A, Thakur N, Yadav AN, Ahluwalia AS (2025). Biodiversity and biotechnological applications of rhizomicrobiome for agricultural, environmental and industrial sustainability. In: Singh J, Sharma V (Eds)	2025 [02]

	Rhizomicrobiome in Sustainable Agriculture and Environment. Academic Press, https://doi.org/10.1016/B978-0-443-23691-4.00006-3 [ISBN: 9780443236914], pp. 107-157	
05.	Khan SS, Sharma B, Negi R , Kaur S, Kaur T, Maithani D, Sheikh I, Kour H, Ramniwas S, Yadav A, Kour D, Thakur N, Yadav AN, Rasool S, Ahluwalia AS (2025). Rhizomicrobiome: Biodiversity and functional annotation for agricultural sustainability. In: Singh J, Sharma V (Eds) Rhizomicrobiome in Sustainable Agriculture and Environment. Academic Press, https://doi.org/10.1016/B978-0-443-23691-4.00001-4 [ISBN: 9780443236914], pp. 1-38	2025 [01]
04.	Yadav AN, Kaur T, Devi R, Negi R , Kour D, Yadav A, Sylia AB, Rai AK, Nabti E, Yadav N, Abdel-Azeem AM, Ahluwalia AS (2024) Fungi as an Unseen Heritage and Wealth: Conclusion and Future Challenges. In: Abdel-Azeem AM, Yadav AN, Yadav N (eds) Endophytic fungi: the full story of the untapped treasure, Elsevier, https://doi.org/10.1016/B978-0-323-99314-2.00020-6 , [ISBN:9780323993159] [SCOPUS]	2024 [02]
03.	Kour D, Kaur T, Khan SS, Khan RT, Sharma B, Negi R , Kour H, Ramniwas S, Rustagi S, Sayyed RZ, Yadav AN, Ahluwalia AS (2024) Beneficial Crop Microbiomes: Mitigators of Abiotic Stress. In Sayyed, R. Z. and Ilyas, N. (editors) Plant Holobiome Engineering for Climate-Smart Agriculture. Singapore: Springer Nature Singapore. pp 99-122. https://doi.org/10.1007/978-981-99-9388-8_7 [ISBN-978-981-99-9390-1]	2024 [01]
02.	Kour D, Khan SS, Kaur T, Devi R, Negi R , Yadav AN, Ahluwalia AS (2023) Fungi as a Treasure Trove of Bioactive Compounds for Human Health. In: Sobti RC, Kuhad RC, Lal R, Rishi P (eds) Role of Microbes in Sustainable Development: Human Health and Diseases. Springer Nature Singapore, Singapore, pp 511-535. https://doi.org/10.1007/978-981-99-3126-2_23 , [ISBN-978-981-99-3125-5]	2023 [01]
01.	Yadav AN, Kaur T, Kour D, Devi R, Guleria G, Negi R , Yadav A, Ahluwalia AS (2021) Functional Annotation and Biotechnological Applications of Soil Microbiomes: Current Research and Future Challenges. In: Yadav AN (ed) Soil Microbiomes for Sustainable Agriculture: Functional Annotation. Springer International Publishing, Cham, pp 605-634. https://doi.org/10.1007/978-3-030-73507-4_19	2021 [01]

Special Issues Editor: 1

S.N.	Research Topic	Year	Journal
1.	From Biodiversity to Biotechnological Applications for Sustainable Development Goals	2025	Journal of Applied Biology and Biotechnology

Reviewer for Journal

S.N.	Journal	IF
1.	Frontiers in Microbiology [ISSN: 1664-302X]	5.2
2.	Scientific Reports- Nature [ISSN 2045-2322; Nature Publication]	4.3
3.	BMC Plant Biology [ISSN: 1471-2229; Springer]	4.2
4.	Journal of Plant Growth Regulation [ISSN: 1435-8107; Springer]	4.1
5.	Sustainability [ISSN; 2071-1050]	3.8
6.	Current Microbiology [ISSN;1432-0991; Springer]	2.6
7.	Heliyon [ISSN: 2405-8440; Elsevier]	3.6
8.	Journal of Applied Biology and Biotechnology [ISSN: 2455-7005]	-
9.	Functional & Integrative Genomics [ISSN: 1438-7948; Springer]	3.1

10.	Plant Science Today [ISSN: 2348-1900; Horizon e-Publishing Group]	-
11.	PASI- Biological Sciences (ISSN: 2250-1746; Springer)	-

Total number of manuscript review: 37

VI. Attended and presentation in conferences: 05

National: 04

1. **Negi R**, Sharma B Yadav AN (2025) Novel Liquid Microbial Consortium of Mineral Availing and Phytohormones Producing Green Bio-inoculants with Multifunctional Attributes for Plant Growth Promotion of Garlic (*Allium sativum* L.) in Hilly Region of Indian Himalayas. In: Biological Science For A Sustainable Future: Research, Innovations and Solutions". Indrashil University, Gujarat, during 23-25th January 2025 **(Young Scientist Award)**.
2. **Negi R** & Yadav AN (2025) Bioprospecting of native psychrotrophic plant growth promoting bacteria induced chilling resistance in pea (*Pisum sativum* L.) by improving nutrient uptake and growth in hilly regions of Indian Himalayan. In: "Interdisciplinary Approaches in Biological Science for a Sustainable Well-being". Indrashil University, Gujarat, during 30-1st August 2025.
3. **Negi R** & Yadav AN (2025) First Report on Co-inoculation of Nitrogen Fixer *Rhizobium lentis* EU-LRN-45 and Phosphorus Solubilizer *Acinetobacter junii* EU-LRN-68 for Plant Growth Promotion of Lentil (*Lens culinaris* L.) in Hilly Regions of Indian Himalayas. In: Innovations in Agriculture and Value Chain Management for Rural Development in North-Western Region of India. Eternal University, Baru Sahib, Himachal Pradesh during 27-28th March 2025.
4. **Negi R**, Sharma B Yadav AN (2025) Synergistic Effect of Minerals Availing Novel Plant Growth Promoting Liquid Bacterial Consortium Inoculation and NPK Fertilization on Growth and Nutrient Uptake in Maize (*Zea mays* L.) in Hilly Regions of Indian Himalayan. In: International Conference on "Pathways to Progress: The Strategic Role of Research in India's Socio-Economic Development". Eternal University, Baru Sahib, Himachal Pradesh during 5-6th April 2025
5. **Negi R**, Kaur T, Devi R, Kour D, Sheikh I, Tyagi V, Yadav AN (2022) First report on Nitrogen-Fixing Endophytic Bacterium from wild wheat relative *Aegilops kotschy* and their role in Plant Growth Promotion. In: International Conference on "Water Agriculture Dairy and Food Processing for Sustainable Economy". Eternal University, Baru Sahib, Himachal Pradesh during 25-26th March 2022 **(Best poster presentation award)**.
6. **Negi R**, Kaur T, Devi R, Kour D, Yadav AN (2021) Plant growth promotion and acquisition of nitrogen in barley (*Hordeum vulgare* L.) by nitrogen fixing endophytic bacteria *Erwinia persicina* EU-B1RT.R4. In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, pp 42 Eternal University, Baru Sahib, Himachal Pradesh during 4-5th September 2021 **(Best poster presentation award)**.

VII. Data submitted at NCBI GenBank databases: in public domain

Accession number: 78

<https://www.ncbi.nlm.nih.gov/nuccore/?term=Yadav+AN%2B+Negi+R>

PV523274, PV523275, PV523276, PV111332, PV111333, PV111334, PV111335, PV111336, PV111337, PV111338, PV111339, PV111340, PV111341, PV111342, PV111343, PV053107, PV053108, PV053109, PV053110, PQ818269, PQ818270, PQ818271, PQ818272, PQ779853, PQ779854, PQ779855, PQ669123, PQ669124, PQ538628, PQ334061, PQ327559, PQ327560, PQ198037, PQ164391, PQ056674, OP896059, OP896060, OP896061, OP450840, OP450841, OP450842, OP450843, OP450844, OP450845, OP450846, OP450847, ON982713, ON982714

VIII. Expertise

Bioinformatics & Softwares Proficiency

BLASTn, Codon Code Aligner, and MEGA4.

Instruments Handled

Autoclave, BOD Incubator, Centrifuge (Sigma 3K30 & Remi), Digital colony counter, Microscope, Double distillation unit, Gel documentation System, Gel electrophoresis, PCR, pH-meter, UV-Vis Spectrophotometer (Shimadzu-1700)

Expertise/Skills

1. **Microbiology:** Isolation, Enumeration and Purification of Archaea, Eubacteria and Fungi, Morphological and cultural characterization microbes from soil and plant, Staining and Microscopy, Biochemical characterization, PGP attributes and hydrolytic enzymes production, Preservation of microorganisms.
2. **Molecular Biology:** Genomic DNA extraction and optimization for Archaea and other microorganisms, PCR amplification of 16S rRNA, Gel electrophoresis.
3. **Compatibility summary:** Having fine laboratory skills, Good analytical and conceptual skills, Good communication and time, management skills

IX. Personal Profile

Name	:	Rajeshwari Negi
Father's Name	:	Rajwant
Mother's Name	:	Lalita Kumari
Date of Birth	:	05-05-2000
Gender	:	Female
Marital status	:	Single
Nationality	:	Indian
Category	:	ST
Languages Known	:	Hindi & English
Strength	:	Confidence, Sincere & hardworking
Aadhaar number	:	663038225748

Permanent address

V.P.O Sapni Tehsil Sangla district Kinnaur, Himachal Pradesh, 172105

X. References

1. **Dr. Ajar Nath Yadav**
Deputy Director, RDC & IQAC
HOD & Associate Professor
Eternal University, Baru Sahib
Sirmour-173101, Himachal Pradesh, India
Contact: +91-9882545085
Email: ajarbiotech@gmail.com; ajar@eternaluniversity.edu.in
My Ph.D. Supervisor
2. **Prof. Amrik Singh Ahluwalia**
Pro Vice-Chancellor
Eternal University, Baru Sahib, Sirmour-173101, Himachal Pradesh, India
Mob: +91- 9815984489
Email: amrik.s511@gmail.com
<https://scholar.google.co.in/citations?hl=en&user=CqSkCw8AAAAJ>
3. **Neelam Yadav**
Associate Professor (Research)

X. Declaration

I solemnly declare that the particulars as furnished by me in this form are true, correct and complete in all respects. I also declare that if any information is found incorrect, a legal action can be taken against me.



Date: 01/09/2025

Place: Baru Sahib

(Rajeshwari Negi)

Biography

Rajeshwari Negi is a Teaching Associate at Eternal University, Baru Sahib, Sirmour, Himachal Pradesh, India. She has 05 years of research experience in microbial biotechnology, microbial diversity, and plant–microbe interactions. She is currently pursuing her doctorate in Microbial Biotechnology from Eternal University. She completed her M.Sc. in Biotechnology, and B.Sc. from Himachal Pradesh University. She has an impressive research record with 72 publications (h-index: 13, i10-index:17, 570 citations) and has successfully isolated 1,405 microbes (bacteria and fungi) from diverse environments, depositing 78 nucleotide sequences. She has also developed an NPK microbial consortium for cereals, millets, and horticultural crops cultivated in the hilly regions of Himachal Pradesh. With a strong passion for teaching, Ms. Negi has been actively engaged in undergraduate and postgraduate courses, covering agricultural microbiology, biodiversity, food and environmental biotechnology, microbial biotechnology, and laboratory techniques in microbiology and biotechnology. She serves as Associate Editor for Journal of Applied Biology and Biotechnology and Plant Science Today (ESCI and Scopus journals) and is a Guest Editor in Applied Biology and Biotechnology for a Special Issue on “From Biodiversity to Biotechnological Applications for Sustainable Development Goals”. She also contributes as a reviewer for 15 national and international peer-reviewed journals.

She received **Best Researcher Award-2024** by Eternal University 12th Convocation 2025). She is 4th Rank in University in SCOPUS (62 publications with *h-index* of **12**; i10-index **12**)- 2nd rank in 2025 with 24 publications. Ms. Negi contributions have been recognized with the Young Scientist Award in 2025 from Indrashil University, Gujarat. She is also a lifetime member of the Association of Microbiologists of India and the Indian Science Congress Association.

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