

## Curriculum Vitae

**Dr. Ajar Nath Yadav**  
**Deputy Director, RDC & IQAC**  
**HOD & Associate Professor-GPBB**  
Eternal University, Baru Sahib  
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Websites: [https://lnkd.in/d\\_FyJN52](https://lnkd.in/d_FyJN52)  
Institute Page- <https://lnkd.in/gNWChkt9>



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Alternative-email Ids:

- R&D Cell: [rdc@eternaluniversity.edu.in](mailto:rdc@eternaluniversity.edu.in)
- IQAC: [iqac@eternaluniversity.edu.in](mailto:iqac@eternaluniversity.edu.in)
- Dean PGS: [pgs@eternaluniversity.edu.in](mailto:pgs@eternaluniversity.edu.in)
- Head-GPBB: [hod.biotechnology@eternaluniversity.edu.in](mailto:hod.biotechnology@eternaluniversity.edu.in)

### Administrative Responsibilities

1. **Deputy Director**, Research and Development Cell (RDC)
2. **Deputy Director**, Internal Quality Assurance Cell (IQAC)
3. **Dean** Post Graduate Studies (Officiating)
4. **Head**, Department of Genetics, Plant Breeding and Biotechnology
5. **Assistant** Controller of Examinations
6. **Secretary**, IQAC, Anti-Plagiarisms Committee, Advisory & Steering Committee-NAAC Accreditation

### Publications: 431

In current year	2025	61	
In the last	2024	55	
In the last 05 years	2020-2024	270	54 / year (05 years)
Total	2013-2025	431	36 / year (12 years)

### Awards/Honors/ Distinctions/Peer Recognition

1. **1<sup>st</sup> Rank in World** – Biotechnology - ScholarGPS® - **2025**
  2. **1<sup>st</sup> Rank in India** – Agriculture (Agriculture & Forestry)- AD Scientific Index- **2025**
  3. **1<sup>st</sup> Rank in India** – Microbiology (Among Private Universities)- World's Top 2% Scientists- **2024**
  4. **1<sup>st</sup> Rank in India** – Microbial Biotechnology (Google Scholar)-2025
  5. **1<sup>st</sup> Rank in University** – Scopus data base- 30% of total publication: **2017-2024**
  6. **World's Top 2% Scientists** (Stanford University, California, USA)-**2022-2024**
  7. **World's Top 2% Most Influential Scientists** (Single Year) (Stanford University)-**2022**
  8. **University Best Researcher Award** –Eternal University, Baru Sahib- **2022 & 2023**
  9. **University Best Teacher Award**, Eternal University, Baru Sahib – **2018**
  10. **Young Scientist Award: NASI Swarna Jayanti Puraskar** -**2013**
  11. **Outstanding Associate Editor Award** – Frontiers in Microbiology- **2022 & 2023**
  12. **Excellent Reviewer Award**- 04 By journal (Clarivate@Web of Science).
  13. **Best Department** in Kisan Mela- GPB and Biotechnology Department **2023-2025**
  14. **Twenty (20)** Best papers presentation award in National & International conferences
- **Editor-in-Chief: 01; Associate Editor: 10** [Total manuscripts handled-229]  
➤ **Reviewer for Journals: 131** [Total manuscripts reviewed 495 manuscripts]  
➤ **External Examiner (Ph.D. Student thesis evaluation): 05** [04 International + 01 National]  
➤ **Supervisor: 04** Ph.D. and **03** M.Sc.; **Guiding: 03** Ph.D. Scholars  
➤ **External Projects: 02; Internal Project: 01**

## I. Professional, Educational & Academic Qualification

Exam	Subject(s)	Institute/University/Board	Year	%	Division	Rank
Ph.D.*	Biotechnology	Birla Institute of Technology, Mesra	2016	80.00	I	
M.Sc.	Biotechnology	Bundelkhand University, Jhansi	2009	77.00	I	2 <sup>nd</sup> Rank
B.Sc.	Bot/Chem/Zoo	University of Allahabad, Prayagraj	2006	71.26	I	
12 <sup>th</sup>	Science (Bio)**	UP Board, Allahabad	2000	65.20	I	
10 <sup>th</sup>	Science***	UP Board, Allahabad	1998	72.17	I	

\*Registration: 10/12/2010; Submission: 23/01/2015; Awarded: 29/09/2016. Specializations: Microbial Biotechnology

\*\* Science (Bio): General Hindi, English, Physics, Chemistry, Biology

\*\*\*Science: Hindi, English, Mathematics Two, Science Two, Social Science, Biology

## II. Research Interest

1. Microbial diversity, Plant-microbes Interaction
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

### M.Sc. (Microbial Biotechnology)

**Thesis title:** "Studies of methylotrophic community from the phyllosphere and rhizosphere of tropical crop plants" under the supervision of Dr. KK Meena (Scientist) ICAR-National Bureau of Agriculturally Important Microorganisms and Dr. Bhanumati Singh, Professor, Department of Biotechnology, Bundelkhand University, Jhansi (Project/dissertation work: [January-May, 2009](#)).

**Publications:** 03 (Research- 01; Review-01; Book chapter-01)

### Ph.D. (Microbial Biotechnology)

**Thesis title:** "Bacterial diversity of cold deserts and mining of genes for low temperature tolerance" Jointly from Birla Institute of Technology (Supervisor-Dr. Shashwati Ghosh Sachan, Assistant Professor, Department of Bioengineering) and Indian Agricultural Research Institute, New Delhi (Supervisor-Dr. Anil K. Saxena, FNAAS, FIAMS, Head, Division of Microbiology).

**Publications:** 12 (Research-05, Review-02, Chapter-05)

**Registration:** 10/12/2010; **Submission:** 23/01/2015; **Awarded:** 29/09/2016].

**Courses:**

1. General Microbiology (BT2022)
2. Technique in Molecular Biology and Genetic Engineering (DBT1002)
3. Term Papers: I-(DBT5001); II-(DBT5002); III-(DBT5003)

### Current Research (Eternal University, Baru Sahib)

1. Microbial biodiversity of crops growing in Himalayan regions
2. Development of microbial consortium of NPK
3. Development of microbial consortium of mineral solubilizing microbes

### Process/methodology/technology: 03

1. Designed a new medium to study P solubilizing attribute of haloarchaea and designated as Haloarchaea P-solubilizing Medium (Published in Nature-Scientific Reports).
2. Archaea capable of solubilization of Phosphorus, Potassium and Zinc; production of IAA and HCN reported for the first time.
3. Bio-inoculants were developed for crops grown in hilly areas.

### 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"

### III. Membership in profession related committees: 03

1. Life member of Association of Microbiologists of India (AMI: 3812-2011)
2. Life member of 'The Indian Science Congress Association' (L29120)
3. Annual member of National Academy of Sciences, India (NASI:2016-2024)

### IV. Awards/Ranking

#### ➤ World's Top 2% Scientists [Stanford University, California, USA]

	World	India	Microbiology (World)	Microbiology (India)
2024	17622	206	354 out of 204759 authors	05*
2023	38022	475	892 out of 190396 authors	11
2022	174333	792	4069 out of 175943 authors	48

**1<sup>st</sup> Rank in India Among Private Universities (Microbiology\*)**

#### ➤ World's Top 0.05% Highly Ranked Scholars™ [ScholarGPS®]-Among 30 million scholars worldwide

	Biotechnology	Biology and Biological Sciences	Life Science	Overall (All Fields)
2024	1 <sup>st</sup>	19	103	1816

**1<sup>st</sup> Rank in World - Biotechnology**

#### ➤ World's Best Scientists [AD Scientific Index]

	World	India	University	Agriculture & Forestry
2024	12,039	79	1 <sup>st</sup>	1 <sup>st</sup> in India; 189 in World
2023	3926	52	1 <sup>st</sup>	-
2022	3950	58	1 <sup>st</sup>	-

**1<sup>st</sup> Rank in India-Agriculture & Forestry**

#### ➤ World's Top 1% Leading Scientists [Research.com]

	World	India	University	D-Index	Citations	Publications
2024	9120	36	1 <sup>st</sup>	61	9751	221
2023	6385	23	1 <sup>st</sup>	58	8061	156

#### ➤ Eternal University Researcher/Teacher Award

- University Best Researcher Award –Eternal University, Baru Sahib- 2023 & 2022
- University Best Faculty Award for Publication of 25 Books-2021
- University Best Teacher Award, Eternal University, Baru Sahib – 2018
- 1<sup>st</sup> Rank in University – Scopus data base- 25% of total publication-2025
- 1<sup>st</sup> Rank in University – Scopus data base- 29% of total publication-2024
- 1<sup>st</sup> Rank in University – Scopus data base- 28% of total publication-2023
- 1<sup>st</sup> Rank in University – Scopus data base- 25% of total publication-2022
- 1<sup>st</sup> Rank in University – Scopus data base- 41% of total publication-2020
- 1<sup>st</sup> Rank in University – Scopus data base- 39% of total publication-2019

## VII. Administration Experiences: (05 Years, 01 Months)

Employer	Post held	Period of employment		Total Experiences	Nature of duties
Eternal University	Deputy Director, Research and Development Cell (RDC)	05/03/2025	Till date	03 Months	<ul style="list-style-type: none"> <li>Overseeing research and development activities</li> <li>Ensuring ethical standards in research and publication</li> <li>Fostering innovation and a collaborative environment</li> <li>Product development and technological advancement</li> </ul>
Eternal University	Deputy Director, Internal Quality Assurance Cell (IQAC)	22/06/2024	Till date	11 Months	<ul style="list-style-type: none"> <li>Developing and applying quality benchmarks</li> <li>Developing and maintaining an institutional database</li> <li>Preparing the Annual Quality Assurance Report (AQAR)</li> <li>Research Projects and Publication impacts</li> </ul>
Eternal University	Head, Department of GPB & Biotechnology	30/03/2023	Till date	02 Years 02 Months	<ul style="list-style-type: none"> <li>Lead, manage, and develop the department</li> <li>To achieve the highest possible standards of excellence in all its activities</li> <li>Course curriculum development and revision</li> </ul>
Eternal University	Assistant Controller of Examinations	28/08/2020	Till date	04 Years 09 Months	<ul style="list-style-type: none"> <li>Planning, execution, evaluation, and record management of examinations</li> <li>Compliance and Regulations</li> <li>Distribution of Certificates</li> </ul>
Eternal University	Dean PGS- (Officiating)	29/05/2020	Till date	5 Years 01 Months	<ul style="list-style-type: none"> <li>Final Viva-Voce of Ph.D. Scholars</li> <li>Pre-Thesis submission seminar</li> <li>Comprehensive examination</li> <li>Synopsis approval</li> <li>Plagiarism checking of synopsis and thesis</li> </ul>

### Chairperson, Member Secretary and Members of Committee

- **Chairman**, Centralized Time Table Committee 2018-2020
- **Chairman**, Procession Committee, 5<sup>th</sup>-11th Convocation, EU
- **Chairman**, SSR-NAAC (Criterion-III)-2022-23
- **Coordinator**, Innovation activity, EU-Innovation Cell
- **Coordinator**, Advertisement Committee, DKSGACA
- **Coordinator**, AQAR-NAAC, Dr. KS Gill Akal College of Agriculture 2019-2023
- **Centre Superintendent**, All Master and Ph.D. Examination **2018-2019**
- **Secretary**, Internal Quality Assurance Cell (IQAC): 2020- till date
- **Secretary**, Advisory & Steering Committee for NAAC Accreditation (2<sup>nd</sup> Cycle)
- **Secretary**, BOS, Dr. KS Gill Akal College of Agriculture: **2018-2024**
- **Secretary**, Anti-Plagiarism Committee **2018- till date**
- **In-charge**, Central Laboratory I & II (2023 –till date)
- **In-charge**, Microbial Biotechnology Lab (Establishment of New Centralized Lab-2016)
- **In-Charge**, Soil Sciences and Agricultural Chemistry Lab 2020-2023
- **Member**, Annual Quality Assurance Report (AQAR)
- **Member**, Invitation Committee, Kisan Mela (2016-2018)
- **Member**, Invitation Committee, Convocation (2016-2018)
- **Member**, Academic Committee, Department of Microbiology
- **Member**, Academic Committee, Department of Biotechnology
- **Member**, Invitation & Stall Committee, Kisan Mela
- **Member**, Prospectus committee, DKSGACA

## V. Teaching Experience: (09 Years, 10 Months)

Employer	Post held	Pay Scale	Period of employment	Total Experiences	Nature of duties
Eternal University	Associate Professor & HOD	37,400–67,000 (9,000)	01-02-2025 to till date	06 Months	Administration Teaching, Research & Extension
Eternal University	Assistant Professor (Sr. Scale) & HOD	15,600-39,100 (7000)	01-02-2020 to 31/01/2025	05 Years	Administration Teaching, Research & Extension
Eternal University, Baru Sahib, Sirmour, Himachal Pradesh	Assistant Professor	15,600-39,100 (6000)	01-01-2016 to 31/01/2020	04 Years 01 Months	Teaching, Research & Extension

## VI. Subjects Teach

### Graduation

SN	Subject	Credit	Course
1.	Agricultural Microbiology (MICRO-102)	1+1	B.Sc. (Hons) Agriculture, II-Sem
2.	Biopesticides and Biofertilizers (Elect-311)	2+1	B.Sc. (Hons) Agriculture, III-Sem
3.	Bacteriology (MICRO-212)	3+1	B.Sc (Hons) Microbiology, III-Sem
4.	Industrial Microbiology (MICRO-221)	3+1	B.Sc (Hons) Microbiology, IV-Sem
5.	Soil Microbiology and Bioremediation (MICRO-222)	3+1	B.Sc (Hons) Microbiology, IV-Sem
6.	Fermentation & Industrial Microbiology (MIC-201)	3+1	B. Tech Food Technology, III-Sem
7.	Food Biotechnology (FT-213)	2+1	B. Tech Food Technology, IV-Sem
8.	Microbial Physiology and Metabolism (MICRO-311)	3+1	B.Sc (Hons) Microbiology, V-Sem
9.	Prod Tech for Bioagents and Biofert (READY-401)	0+10	B.Sc. (Hons) Agriculture, VIII-Sem

### Post-Graduation

SN	Subject	Credit	Course
1.	General Microbiological Techniques (MICRO-514)	3+0	M.Sc. Microbiology, I-Sem
2.	Techniques in Biotechnology-I (BT-506)	0+3	M.Sc. Biotechnology, I-Sem
3.	Bioprocess Engineering and Technology (BT-511)	3+0	M.Sc. Biotechnology, II-Sem
4.	Techniques in Biotechnology-II (BIT-512)	0+3	M.Sc. Biotechnology, II-Sem
5.	Food and Microbiology Technique (MICRO-535)	0+3	M.Sc. Microbiology, II-Sem
6.	Environmental Biotechnology (BT-523)	2+0	M.Sc. Biotechnology, III-Sem
7.	Microbial Biotechnology (BT-524)	2+0	M.Sc. Biotechnology, III-Sem
8.	Techniques in Biotechnology- III (BIT-516)	0+3	M.Sc. Biotechnology, III-Sem
9.	Industrial Microbiology (FT-523)	3+0	M.Sc. Food Technology, II-Sem
10.	Research Methodology (RM-599)	3+0	PG Courses (II and III- Sem)
11.	Applied Microbiology Techniques (MICRO-528)	0+3	M.Sc. Microbiology, II-Sem
12.	Basic Concepts in Laboratory Techniqu (PGS-504)	0+1	All PG (M.Sc./Ph.D) Ag. II-Sem

### Ph.D.

SN	Subject	Credit	Course
1.	Environmental Biotechnology (BT-523)	2+0	Ph.D. Biotechnology, II-Sem
2.	Microbial Biotechnology (BT-524)	2+0	Ph.D. Biotechnology, II-Sem
3.	Research Methodology	3+0	Ph.D. Courses (II and III- Sem)

## VIII. Research Experience: 15 Years and 04 Months

Employer	Post held	Pay Scale	Period of employment	Total Experience	Nature of duties
Eternal University	Associate Professor and Head	37,400–67,000 (9,000)	01/02/2025 To till date	05 Months	Research & Extension
Eternal University	Assistant Professor (SS)*	15,600-39,100 (7000)	01/02/2020 To 31/01/2025	05 Years	Research & Extension
Eternal University,	Assistant Professor	15,600-39,100 (6000)	01-01-2016 to 31/01/2020	04 Years 01 Months	Research & Extension
Microbiology, IARI, New Delhi	Senior Research Fellow	18000+HRA	06/11/ 2012 to 31/12/ 2015	03 Years 01 Months	Research***
Microbiology, IARI, New Delhi	Senior Research Fellow	12000+HRA	03/10/2009 to 05/11/2012	03 Years 01 Months	Research**
ICAR-NBAIM, Mau, UP, India	Project Fellow	Nil	01/01/2009 to 31/05/2009	05 Months	Research*

**Present Research-** working of biodiversity of microbes from hilly regions and their potential application for plant growth promoting for crops growing in hilly regions of Himachal Pradesh.

**\*M.Sc. dissertation/project work/thesis** was carried out on the project entitled “Studies of Methylo-trophic Community from the Phyllosphere and Rhizosphere of Tropical Crop Plants” under the supervision of Dr. Kamlesh Kumar Meena (Scientist) National Bureau of Agriculturally Important Microorganisms, Mau Nath Bhanjan, Mau, UP, India.

**\*\* Senior Research Fellow (SRF)** in NAIP project on “Diversity analysis of *Bacillus* and other predominant genera in extreme environments and its utilization in Agriculture” (2009-2012) with PI-Dr. A.K. Saxena, *FNAAS, FIAMS*, Head, Division of Microbiology, IARI, New Delhi-110012

**\*\*\*Senior Research Fellow (SRF)** in NFBSFARA project on “Role of Archaeobacteria in Alleviation of Salinity and Moisture Stress in Plants” (2012-2015) with PI-Dr. A.K. Saxena, *FNAAS, FIAMS*, Head Division of Microbiology, IARI, New Delhi-110012

### Post-Doctoral Fellow (2023-2025)

**Research Fellow** at INTI International University, Persiaran Perdana BBN Putra Nilai, Nilai 71800, Negeri Sembilan, Malaysia

## IX. Funded project

Completed Research Projects	: 02
Internal Projects	: 01
Submitted projects	: 03

### Externally funded project

S.N	Title	Duration (Year)	Funding Agency	Total Budget (Rs Lakhs)	Role
1.	Development of Microbial Consortium as Bio-inoculants for Drought and Low Temperature Growing Crops for Organic Farming in Himachal Pradesh	02 (2019-2021)	Department of Environment, Science & Technology (DEST), Shimla, HP; File:No.Env.S&T(F)5-2/2017-206	8.20	PI
2.	Design of low cost mixed solar drying system for horticulture and agriculture commodities of Himachal Pradesh	02 (2017- 2020)	Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE)	5.80	Co-PI

### Internally funded project

S.N	Title	Duration	Funding Agency	Total Budget	Role
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		(Year)		(Rs Lakhs)	
1.					
2.					
3.	To establish culture collection of bacteria/fungi/algae/cyanobacteria from hilly areas	02 (2023-2024)	Eternal University, BS	1.00	PI

## X. Supervisor (Ph.D./M.Sc): 08

Degree	Awarded	Pursuing
Ph.D.	4	2
M.Sc.	3	0

### Ph.D. Biotechnology

SN	Name	Year	Status	Degree	Title of Ph.D. Thesis
1.	Ms. Rubee Devi BS19PSBT002	2019- 2022	Awarded 01/03/2023	Ph.D. Biotechnology	Mineral solubilizing microbes associated with different crops and their functional role for plant growth and crop productivity
2.	*Ms. Tanvir Kaur BS19PSBT003	2019- 2022	Awarded 01/03/2023	Ph.D. Biotechnology	Development of microbial consortium as bioinoculants for crops growing in hilly regions of Himachal Pradesh
3.	Ms. Kusum Lata Rana BS15PSBT003	2016-2021	Awarded 07/10/2021	Ph.D. Biotechnology	Nitrogen fixing endophytic microbes from cereal crops and their biotechnological application
4.	Ms. Divjot Kour BS15PSBT006	2016-2020	Awarded 04/08/2020	Ph.D. Biotechnology	Phosphate solubilizing microbes from different crops and their potential role for sustainable agriculture
5.	Ms. Rajeshwari Negi BS22PBT001	2022-	Pursuing	Ph.D. Biotechnology	Development of liquid microbial consortium with multifunctional plant growth promoting attributes to enhance crop productivity
6.	Ms. Babita Sharma BS23PMB001	2023-	Pursuing	Ph.D. Microbiology	Phosphate and Potassium solubilizing microbes
7.	*Suchitra	2024-	Pursuing	Ph.D. Botany	Isolation and characterization of rhizospheric and endophytic bacteria of selected medicinal plants

\*Co-Major Advisor

### M.Sc. Biotechnology/Microbiology

SN	Name	Year	Status	Degree	Title of Ph.D. Thesis
1.	Kartika Shukla (BS20MSBT003)	2020-2022	Awarded 25/11/2022	M.Sc. Biotech.	Role of rhizospheric silicate mineral weathering bacteria for plant growth promotion of tomato ( <i>Solanum lycopersium</i> L.)
2.	Ms. Rajeshwari Negi BS20MSBT004	2020-2022	Awarded 07/09/2022	M.Sc. Biotech.	Endophytic microbes associated with <i>Aegilops kotschy</i> and their role in plant growth promotion
3.	Ms. Anu BS17MSMB001	2017-2019	Awarded 08/11/2019	M.Sc. Micro.	Studies of potassium solubilizing microbes from cereal crops and their plant growth promoting attributes

### Ph.D. students under my supervision

1. Rajeshwari Negi (2022-persuing)- <https://www.scopus.com/authid/detail.uri?authorId=57868507900>

2. Babita Sharma (2023- persuing)- <https://www.scopus.com/authid/detail.uri?authorId=58164921600>
3. Tanvir Kaur (2019-2023)- <https://www.scopus.com/authid/detail.uri?authorId=57213818741>
4. Rubee Devi (2019-2023)- <https://www.scopus.com/authid/detail.uri?authorId=57217046581>
5. Kusam Lata Rana (2016-2020)- <https://www.scopus.com/authid/detail.uri?authorId=57211806800>
6. Divjot Kour (2016-2020) <https://www.scopus.com/authid/detail.uri?authorId=57207575354>

## XI. Publications

### Research & Innovations

1. **ORCID:** <http://orcid.org/0000-0002-6911-7050>
2. **Scopus:** <http://www.scopus.com/authid/detail.uri?authorId=55826083300>
3. **Web of Science:** <https://www.webofscience.com/wos/author/record/I-3572-2014>
4. **Google Scholar:** <http://scholar.google.co.in/citations?user=Drt5z1gAAAAJ&hl=en>
5. **PubMed:** <http://www.ncbi.nlm.nih.gov/pubmed/?term=Yadav+AN>
6. **Research Gate:** [https://www.researchgate.net/profile/Ajar\\_Nath\\_Yadav](https://www.researchgate.net/profile/Ajar_Nath_Yadav)
7. **LinkedIn:** <https://www.linkedin.com/in/dr-ajar-nath-yadav-8184aa15/>
8. **VIDWAN:** <https://vidwan.inflibnet.ac.in/profile/182619>
9. **Academia:** <https://eternaluniversity.academia.edu/ajarnathyadav>
10. **Loop:** <https://loop.frontiersin.org/people/205032/>
11. **ScholarGPS®:** <https://scholargps.com/scholars/54708885187283/ajar-nath-yadav>
12. **Websites:** <https://sites.google.com/view/ajarnathyadav/>

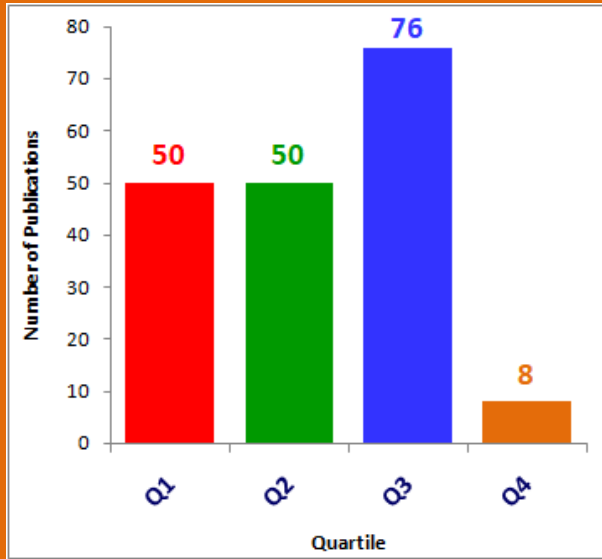
### Details of publications: **431**

	Total Published (2013-2024)	In the last 5 year (2020-2024)	Last year (2024)	Current year (2025)
Research/review papers	256	157	43	45
Books	38	22	08	05
Book chapters	122	81	04	11
Popular Articles	10	5	-	-
Lab manuals	03	3	-	-
Patents	02	2	-	-
	<b>431</b>	<b>270</b>	<b>55</b>	<b>61</b>
		<b>53@per year</b>		

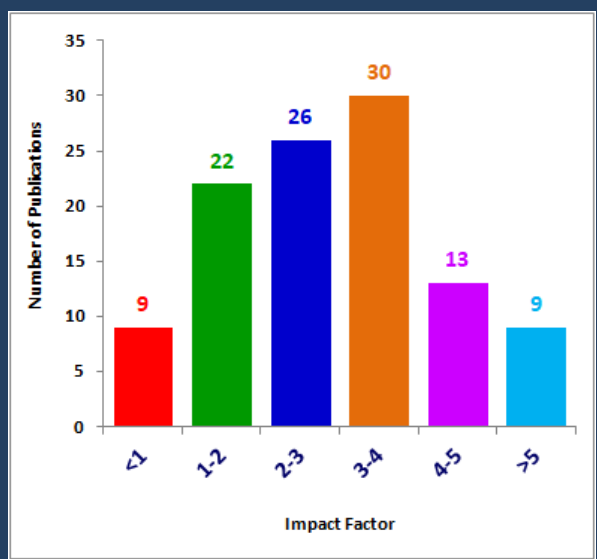
### Indexing & Abstracting

	Total Published	Indexing			
		SCI	Web of Sciences	SCOPUS	PubMed
Research/review papers	255	186	175	198	54
Books	38	-	-	7	-
Book chapters	116	-	-	62	-
		<b>186</b>	<b>175</b>	<b>267</b>	<b>54</b>

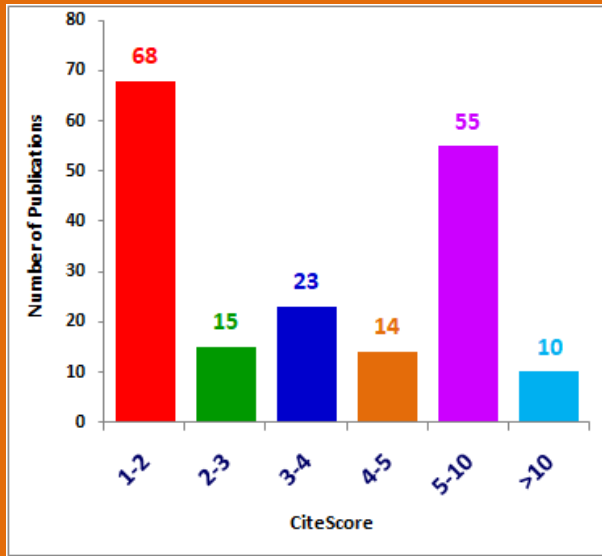
### Research Impact



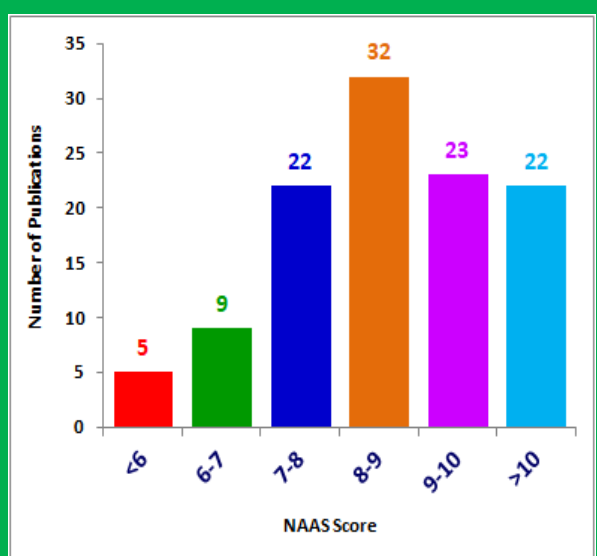
Quartile of Journal: Q1-Q4 (SCImago)



Impact Factor (Clarivate Analytics)



CiteScore (SCOPUS)



NAAS Score





## Ajar Nath Yadav

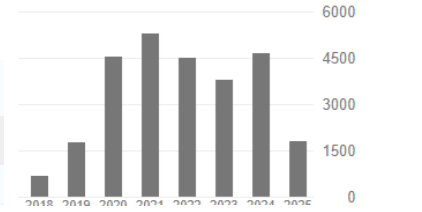
Deputy Director, R&D Cell, Eternal University, Baru Sahib, HP  
 (World's Top 2% Scientist 2022-2024)  
 Verified email at eternaluniversity.edu.in - [Homepage](#)

[Agricultural Sustainability](#) [Microbial Biotechnology](#) [Extremophiles](#)

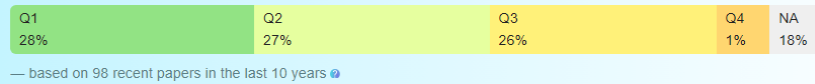
Cited by

[VIEW ALL](#)

	All	Since 2020
<b>Citations</b>	<b>29,145</b>	<b>25,593</b>
<b>h-index</b>	<b>100</b>	<b>92</b>
<b>i10-index</b>	<b>369</b>	<b>361</b>



### Journals' rankings BETA



- Microbial biofertilizers: Bioresources and eco-friendly technologies for agricultural and environmental sustainability** 528 202  
 D Kour, KL Rana, AN Yadav, N Yadav, M Kumar, V Kumar, P Vyas, ...  
0.875 Q1 NA Biocatalysis and Agricultural Biotechnology 23, 101487
- Food waste: a potential bioresource for extraction of nutraceuticals and bioactive compounds** 489 201  
 K Kumar, AN Yadav, V Kumar, P Vyas, HS Dhallwal  
1.038 Q1 NA Bioresources and Bioprocessing 4 (1), 18

- Co-authors EDIT
- Anil Kumar Saxena  
ICAR- National Bureau of Agricul... >
  - Tanvir Kaur  
Graphic Era University, Dehradun >
  - Rubees Devi  
Department of Biotechnology, Et... >

<https://scholar.google.co.in/citations?user=Drt5z1gAAAAJ&hl=en>

### Ranking in the World (Google Scholar)

SN	Keywords	Rank in World	Rank in India
1.	<a href="#">Agricultural Sustainability</a>	2 <sup>nd</sup>	1 <sup>st</sup>
2.	<a href="#">Microbial Biotechnology</a>	2 <sup>nd</sup>	1 <sup>st</sup>
3.	<a href="#">Extremophiles</a>	2 <sup>nd</sup>	1 <sup>st</sup>
4.	<a href="#">Plant-Microbe Interaction</a>	2 <sup>nd</sup>	1 <sup>st</sup>



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## Yadav, Ajar Nath

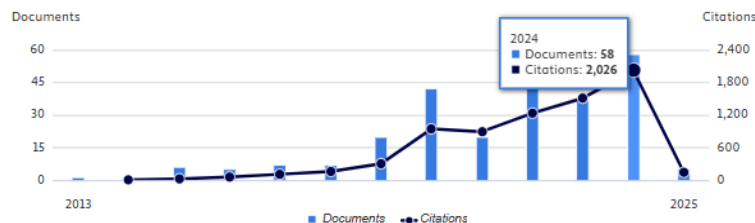
[Eternal University, Baru sahib, India](#) [55826083300](#) <https://orcid.org/0000-0002-6911-7050> [View more](#)

**8,578**  
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Documents

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### Most contributed Topics 2019–2023

- Plant Growth; Microorganism; Plant Growth-Promoting Rhizobac**  
58 documents
- Microorganism; Solubilization; Soil Microbiology**  
7 documents
- Endophytic Fungus; Antiinfective Agent; Secondary Metabolite**  
4 documents

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Range  Individual



2016 - 2025 >

Sort by **Number of results** ▾

- Yadav, A.N. 246
- Kour, D. 121
- Dhaliwal, H.S. 92
- Kaur, T. 80
- Yadav, N. 58
- Sheikh, I. 55
- Negi, R. 49
- Suyal, D.C. 48
- Devi, R. 46

	Author	Documents	Affiliation	Country
<input type="checkbox"/>	1. <b>Yadav, Ajar Nath</b>	<b>275</b>	<b>Eternal University</b>	<b>India</b>
<input type="checkbox"/>	2. Dhaliwal, Harcharan Singh	<b>192</b>	Eternal University	India
<input type="checkbox"/>	3. Banipal, Tarlok Singh	<b>168</b>	Eternal University	India
<input type="checkbox"/>	4. Negi, Rajeshwari	<b>53</b>	Eternal University	India
<input type="checkbox"/>	5. Devi, Rubee	<b>46</b>	Eternal University	India
<input type="checkbox"/>	6. Kaur, Simranjeet	<b>45</b>	Eternal University	India
<input type="checkbox"/>	7. Singh, Nasib	<b>43</b>	Eternal University	India
<input type="checkbox"/>	8. Tyagi, Vikrant	<b>33</b>	Eternal University	India
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## Web of Science

### Metrics

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**Ajar Nath Yadav** ✓

★ Excellent Reviewer (4)

(Yadav, Ajar Nath) | Eternal University, Baru Sahib-173101, India

### Profile summary

- 403** Total documents
- 178** Publications indexed in **WoS**
- 167** **WoS** Core Collection publications
- 495** Verified peer reviews
- 229** Verified editor records

### Identifiers

**Web of Science Researcher ID-3572-2014**  
<https://orcid.org/0000-0002-6911-7050>

### Published names

Yadav, Ajar Nath, Yadav, A. N.

### Organizations

Eternal Univ Baru Sahib  
 INTI International University

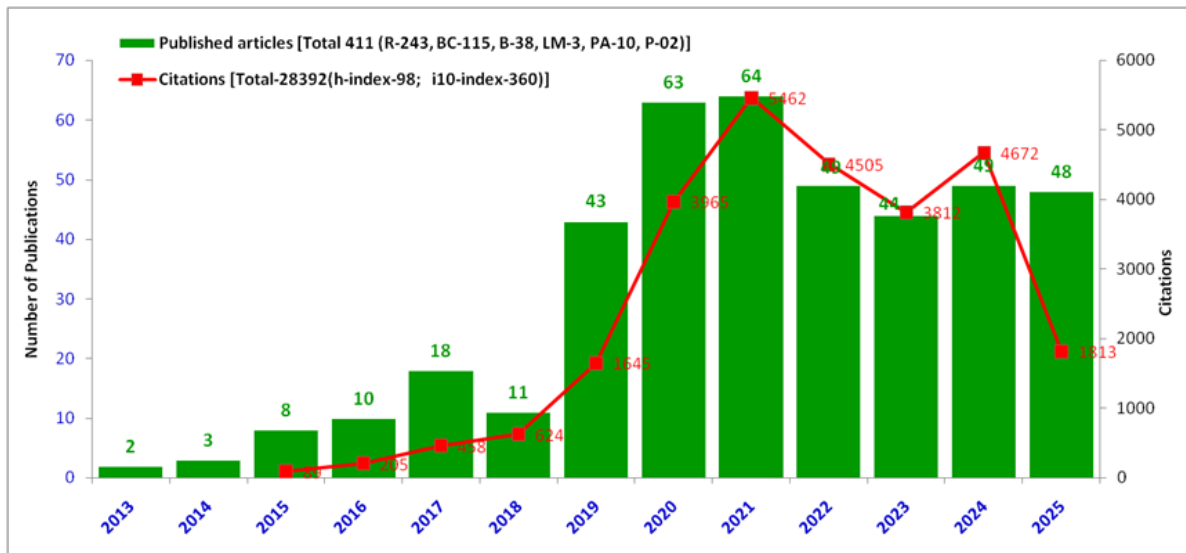
### Subject Categories

Biotechnology & Applied Microbiology;  
 Microbiology Science & Technology - Plant  
 Sciences Life Sciences

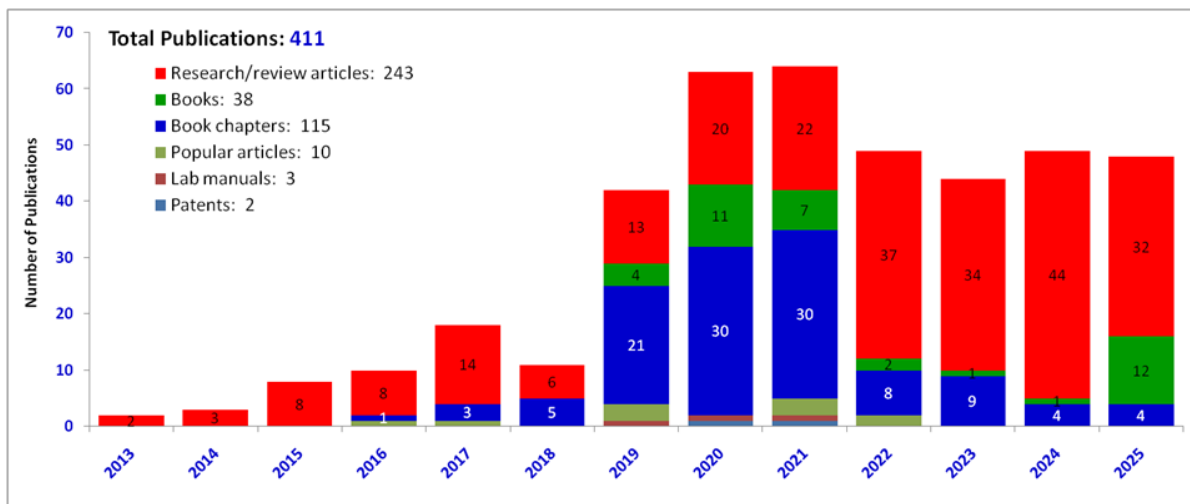
### WoS Core Collection metrics

- |                    |                 |
|--------------------|-----------------|
| <b>39</b>          | <b>167</b>      |
| H-Index            | Publications    |
| <b>4,730</b>       | <b>3,448</b>    |
| Sum of Times Cited | Citing Articles |

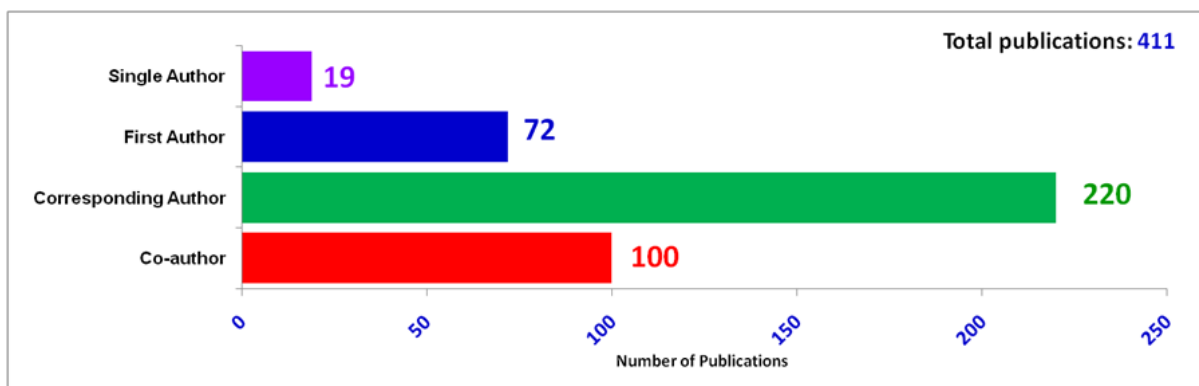
<https://www.webofscience.com/wos/author/record/I-3572-2014>



**Publications vs. Citations (05/05/2025)**



**Details of Total Publications (05/05/2025)**



**Authorship details (05/05/2025)**

**Publications related to Sustainable Development Goals (SDGs) – Scopus (267)**

SDGs		Publications	SDGs		Publications
	Goal 1: No poverty	<b>01</b>		Goal 10: Reduce inequality	-
	Goal 2: Zero hunger	<b>137</b>		Goal 11 Sustainable cities and communities	<b>05</b>
	Goal 3: Good health and well-being	<b>44</b>		Goal 12 Responsible consumption and production patterns	<b>103</b>
	Goal 4 Quality education	-		Goal 13: Climate action	<b>18</b>
	Goal 5 Gender equality	-		Goal 14: Life below water	<b>07</b>
	Goal 6: Clean water and sanitation	<b>10</b>		Goal 15: Life on land	<b>28</b>
	Goal 7: Affordable and clean energy	<b>09</b>		Goal 16: Peace, justice and strong institutions	-
	Goal 8 Decent work and economic growth	<b>103</b>		Goal 17: Partnership for the goals	<b>07</b>
	Goal 9: Industry, innovation and infrastructure	<b>28</b>			

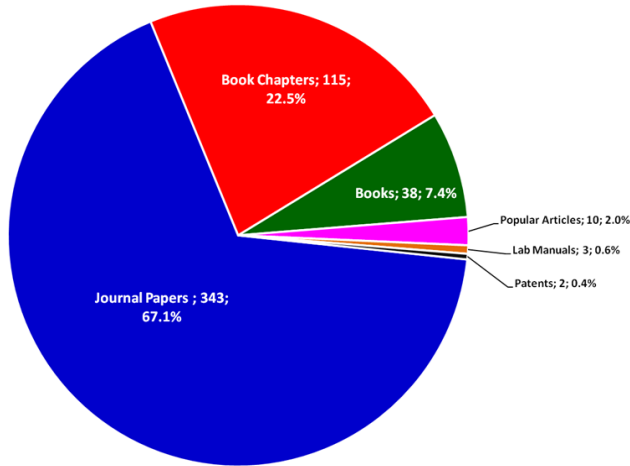
- **Significance of research among the global scientific community**
- <https://www.scopus.com/authid/detail.uri?authorId=55826083300#tab=impact>

### Details of Publications with Impact Factor/ CiteScore/ NAAS-Score

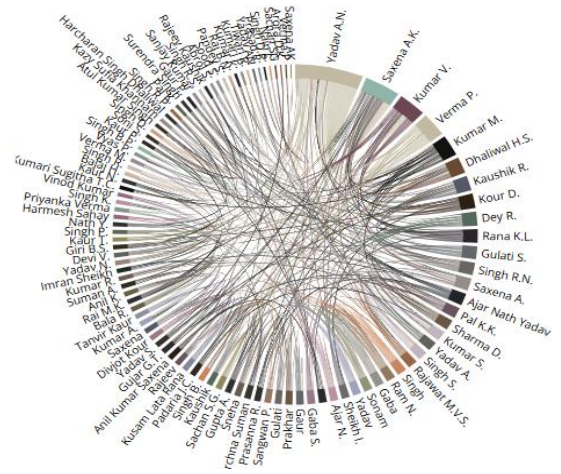
SN	Journal	Publisher	SCI mago	Total			
				Article	IF	CiteScore	NAAS Rating
				<b>216</b>	<b>308.9</b>	<b>722.5</b>	<b>1006.18</b>
1	Chemosphere	Elsevier	Q1	1	8.1	15.8	14.8
2	International Journal of Biological Macromolecules	Elsevier	Q1	1	7.6	13.7	14.2
3	Plant Physiology and Biochemistry	Elsevier	Q1	1	6.5	10.3	12.5
5	Standards in Genomic Sciences	Springer	Q1	1	6.2	7.4	13.9
6	Microbiological Research	Springer	Q1	1	6.1	10.9	12.7
7	Environmental Science and Pollution Research	Springer	Q1	1	5.9	8.7	11.8
8	Pedosphere	Elsevier	Q1	2	10.4	23.4	23.4
9	Plant Stress	Elsevier	Q1	1	5.2	6.8	11
10	Food Bioscience	Elsevier	Q1	2	9.6	12.8	22.4
11	Journal of Plant Growth Regulation	Springer	Q1	1	4.8	8.7	10.8
12	Foods	MDPI	Q1	2	9.4	14.8	22.4
13	Saudi Journal of Biological Sciences	Elsevier	Q1	1	4.4	9.3	10.4
14	Bioresources and Bioprocessing	Springer	Q1	1	4.3	7.2	10.46
15	Microorganisms	MDPI	Q1	1	4.1	7.4	10.6
16	Frontiers in Microbiology	Frontiers	Q1	4	16	30.8	40.8
17	World Journal of Microbiology and Biotechnology	Springer	Q2	2	8	12.6	20
18	Journal of Plant Growth Regulation	Springer	Q1	1	3.9	8.4	10.8
19	Scientific Reports	Nature	Q1	1	3.8	7.5	10.6
20	Water, Air, & Soil Pollution	Springer	Q2	2	7.6	9	17.8
21	Journal of King Saud University – Science	Elsevier	Q1	1	3.7	7.2	9.8
22	Journal of Basic Microbiology	Wiley	Q2	2	7	12.2	19.2
23	Biocatalysis and Agricultural Biotechnology	Elsevier	Q1	8	27.2	61.6	80
24	Heliyon	Elsevier	Q1	7	23.8	31.5	70
25	Journal of Soil Science and Plant Nutrition	Springer	Q2	1	3.4	5.9	9.9
26	Microbial Ecology	Springer	Q1	1	3.3	6.9	9.6
27	Journal of Applied Microbiology	Wiley	Q1	1	3.2	7.3	10
28	Applied Biochemistry and Biotechnology	Springer	Q2	1	3.1	5.7	9
29	Annals of Microbiology	Springer	Q2	3	9	19.2	27
30	Environmental Sustainability	Springer		1	3	0	0
31	Physiological and Molecular Plant Pathology	Elsevier	Q2	1	2.8	4.3	0
32	3 Biotech	Springer	Q2	1	2.6	6	8.8
33	Journal of Bioscience and Bioengineering	Elsevier	Q2	1	2.6	6.5	8.8
34	Folia Microbiologica	Springer	Q2	6	12	29	43
35	DARU Journal of Pharmaceutical Sciences	Springer	Q2	1	2.1	8.1	8.6
36	Brazilian Journal of Microbiology	Springer	Q3	2	4.2	7.6	16.4
37	Current Microbiology	Springer	Q2	7	14.7	27.3	60.2
38	Egyptian Journal of Biological Pest Control	Elsevier	Q1	4	8.4	19.6	33.6
39	Indian Journal of Microbiology	Springer	Q3	1	2.1	6	9

40	Journal of Heterocyclic Chemistry	Wiley	Q3	2	4	10.4	16.8
41	Antonie van Leeuwenhoek	Springer	Q2	1	1.8	5.6	8.6
42	Cereal Research Communications	Springer	Q2	2	3.2	6.8	15.2
43	Journal of Plant Biochemistry and Biotechnology	Springer	Q2	1	1.6	3.9	7.9
44	Biologia	Springer	Q2	9	12.6	29.7	67.5
45	Bioscience, Biotechnology, and Biochemistry	Taylor & Francis	Q3	1	1.4	3.5	7.6
46	National Academy Science Letters	Springer	Q3	6	6.6	13.2	42.6
47	Archives of Phytopathology and Plant Protection	Taylor & Francis	Q3	1	1	2.2	7
48	Current Research in Nutrition and Food Science	Environ Res Pub	Q4	1	0.9	1.8	6.8
49	Indian Journal of Experimental Biology	NISCAIR	Q3	1	0.7	3	6.66
50	Letters in Organic Chemistry	Bentham	Q4	2	1.4	2.6	13.6
51	Plant Science Today	Horizon	Q3	2	1.4	3	13.8
52	Journal of Environmental Biology	Triveni	Q3	1	0.6	1.4	6.7
53	Journal of Microbiology, Biotechnology and Food Sciences	JMBFS	Q3	1	0.6	1.9	7.6
54	Genome Announcements	Springer	Q3	1	0.4	1.4	6.4
55	Cellular and Molecular Biology	CMB	Q4	1	0	2.5	0
56	Indian Journal of Plant Genetic Resources	IJPGR		1	0	0	5.54
57	Journal of Applied Biology and Biotechnology	Open Science	Q3	56	0	100.8	0
58	Journal of Applied Pharmaceutical Science	Open Sci	Q2	1	0	2.4	0
59	Journal of Crop Science and Biotechnology	Springer	Q2	1	0	2.9	8.9
60	Microbial Biosystems	Arab Soc	Q2	1	0	0.5	0
61	Nano-Structures and Nano-Objects	Elsevier	Q1	1	0	9.2	0
62	Nusantara Bioscience	Smujo		1	0	0	0
63	PNASI Section B: Biological Sciences	Springer	Q2	2	0	6	0
64	Research Journal of Biotechnology	WRS	Q4	4	0	2.4	0
65	The Indian Fern Journal	Ind Fern Soc		1	0	0	0
66	Vegetos	Springer	Q3	5	0	10	22.72
67	<b>Other</b>			<b>31</b>			<b>0</b>

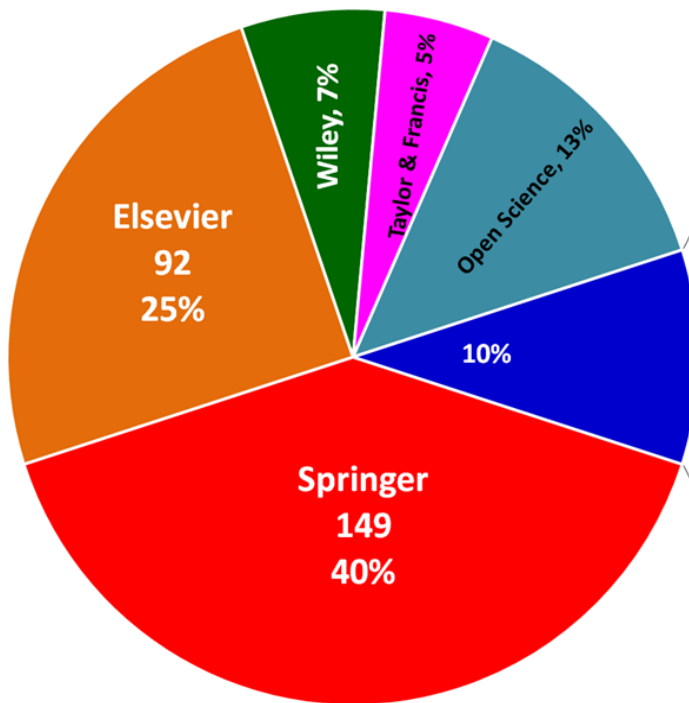
### Type of publications



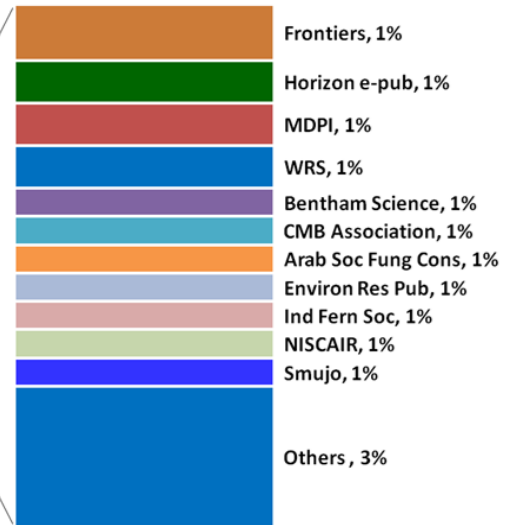
### Co-authors (449) Network



### Publishers



### Total Publications: 411



## Research/Review Articles: 256

		2025 (45)	2024 (43)	2023 (34)
2022 (33)	2021 (17)	2020 (15)	2019 (08)	2018 (03)
2017 (06)	2016 (06)	2015 (06)	2014 (01)	2013 (01)

219	Yadav AN, Kaur T, Singh J, Hesham AEL (2025) Current trends in plant science and plant microbiome for sustainability. <b>Plant Science Today</b> . <a href="https://doi.org/10.14719/pst.10502">https://doi.org/10.14719/pst.10502</a> [ISSN: 2348-1900; Horizon]-[IF: 0.7, CiteScore- 1.4, Q3]	2025 [45]
218.	Kaushik R, Singh G, Jarial S, Saroha A, Kumar R, Kaur H, Wani AW, Kumar P, Kumar A, Verma P, Prabhu R, 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. <b>Plant Science Today</b> . <a href="https://doi.org/10.14719/pst.6133">https://doi.org/10.14719/pst.6133</a> [ISSN: 2348-1900; Horizon]-[IF: 0.7, CiteScore- 1.4, Q3]	2025 [44]
217.	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. <b>Current Microbiology</b> 82: 363. <a href="https://doi.org/10.1007/s00284-025-04350-7">https://doi.org/10.1007/s00284-025-04350-7</a> [ISSN:1432-0991; Springer] [IF- 2.6, CiteScore: 3.9, Q2]	2025 [43]
216.	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. <b>Journal of Dispersion Science and Technology</b> : 1-13. <a href="https://doi.org/10.1080/01932691.2025.2525164">https://doi.org/10.1080/01932691.2025.2525164</a> [ISSN: 0193-2691; Taylor & Francis] [IF- 1.8, CiteScore: 5.0, Q3]	2025 [42]
215.	Yadav AN, Kaur T, Pandey A, Rustagi (2025).Biotechnological trends for sustainability. <b>Journal of Applied Biology and Biotechnology</b> 13(sp1):1-4. [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [41]
214.	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 Staphylococcus aureus EU-GPKR-19 and P-Solubilizing Bacillus subtilis EU-SSNR-71 for Alleviation of Cold Stress in Barley ( <i>Hordeum vulgare</i> L.) in Mountainous Regions. <b>National Academy Science Letters</b> . <a href="https://doi.org/10.1007/s40009-025-01693-4">https://doi.org/10.1007/s40009-025-01693-4</a> [ISSN: 2250-1754; Springer] -[IF-1.2; CiteScore: 2.2, Q3]	2025 [40]
213.	Jhamta S, Thakur J, Singh S, Yadav N, Rai AK, Yadav AN (2025). Enhancing tomato crop protection: Utilizing microbial and botanical bio-products to control Meloidogyne incognita population. <b>Plant Science Today</b> . <a href="https://doi.org/10.14719/pst.5106">https://doi.org/10.14719/pst.5106</a> [ISSN: 2348-1900; Horizon]-[IF: 0.7, CiteScore- 1.4, Q3]	2025 [39]
212.	Sharma B, Kour D, Bassi A, Gusain M, Sharma A, Kaur T, Basu A, Kumari S, Khan SS, Yadav AN. 2025. Microplastic Pollution: Challenges, Ameliorating Strategies and Governance Policies. <b>Water, Air, &amp; Soil Pollution</b> 236: 585. <a href="https://doi.org/10.1007/s11270-025-08220-7">https://doi.org/10.1007/s11270-025-08220-7</a> [ISSN: 1678-4405; Springer] -[IF-3.0; CiteScore: 4.5, Q1]	2025 [38]
211.	Singh H, Pandya S, Jasani S, Patel M, Kaur T, Rustagi S, Shreaz S, Yadav AN (2025).	2025 [37]

	Integrans: the hidden architects of bacterial adaptation, evolution, and the challenges of antimicrobial resistance. <b>Antonie van Leeuwenhoek</b> 118: 90. <a href="https://doi.org/10.1007/s10482-025-02103-x">https://doi.org/10.1007/s10482-025-02103-x</a> [ISSN: 1572-9699; Springer] [IF: 1.8, CiteScore:3.8, Q3]	
210.	Negi R, Sharma B, Yadav N, Kaur N, Yadav A, Puri P, Singh S, <b>Yadav AN</b> (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.). <b>Biologia</b> . <a href="https://doi.org/10.1007/s11756-025-01969-6">https://doi.org/10.1007/s11756-025-01969-6</a> [ISSN: 0006-3088; Springer] -[IF-1.4, CiteScore:3.4, Q2]	2025 [36]
209.	Urvashi G, Manish K, Deen D, Kundan KC, Divya S, Ashwani KS, Nandita J, Shailendra T, Shalini S, Krishna DR, Mukartal SY, Niraj K, Yadav AN, Anish KP (2025). Medicinal plants potential as anti-mycobacterial and mechanisms behind their active metabolites. <b>Plant Science Today</b> 12(sp2): 1-8. <a href="https://doi.org/10.14719/pst.4991">https://doi.org/10.14719/pst.4991</a> [ISSN: 2348-1900; Horizon]-[IF: 0.7, CiteScore- 1.4, Q3]	2025 [35]
208	Dhiman S, Kumar K, Ahmed N, Singh TP, Chauhan D, Kumar S, Sharma S, Yadav AN (2025). Extraction, modification, and characterization of starch from two barley ( <i>Hordeum vulgare</i> L.) cultivars. <b>Journal of Applied Biology and Biotechnology</b> 13(sp1):75-85. <a href="https://doi.org/10.7324/JABB.2025.214506">https://doi.org/10.7324/JABB.2025.214506</a> . [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [34]
207.	Abdul-Rahaman A, Irtwange SV, Aloho KP, Yadav AN, Barau B (2025) Pathogenicity and molecular characterization of bacteria isolates at postharvest storage of Ibadan sweet, Valencia, and Washington navel citrus fruits. <b>Vegetos</b> . <a href="https://doi.org/10.1007/s42535-025-01303-0">https://doi.org/10.1007/s42535-025-01303-0</a> [ISSN: 2229-4473; Springer]-[CiteScore: 2.0, Q3]	2025 [33]
206.	Devi R, Kaur T, Negi R, Sharma B, Kumar S, Singh S, Rai AK, Rustagi S, Yadav A, Kumar A, Kour D, Yadav AN (2024) Microbes Mediated Nutrient Dynamics for Plant Growth Promotion: Current Research and Future Challenges. <b>Indian Journal of Microbiology</b> . <a href="https://doi.org/10.1007/s12088-024-01405-4">https://doi.org/10.1007/s12088-024-01405-4</a> [ISSN: 0973-7715; Springer] [IF- 2.1; CiteScore- 1.8; Q3]	2025 [32]
205.	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. <b>Journal of Applied Biology and Biotechnology</b> 13(Sp1): 1-21. <a href="https://doi.org/10.7324/JABB.2025.214012">https://doi.org/10.7324/JABB.2025.214012</a> [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [31]
204.	Ray A, Das P, Chunduri R, Kumar D, Dulta K, Kaushal A, Gupta S, Rj S, Yadav AN, Nagraik R, Sharma A (2025) Nanocomposite-based agricultural delivery systems: a sustainable approach to enhanced crop productivity and soil health. <b>Journal of Nanoparticle Research</b> 27(4):110. <a href="https://doi.org/10.1007/s11051-025-06302-5">https://doi.org/10.1007/s11051-025-06302-5</a> [ISSN: 1388-0764; Springer] [IF- 2.1; CiteScore- 4.4; Q2]	2025 [30]
203.	Kour R, Jan T, Ahmed N, Sheikh MA, Ubaid M, Yadav M, Kumar K, Sheikh I, Chauhan P, Shreaz S, Yadav A, Puri P, Kaur N, Yadav AN (2025).A comprehensive exploration of compositional characteristics, bioactive compounds, anti-nutritional factors, and food applications of amaranths. <b>Journal of Applied Biology and Biotechnology</b> [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [29]
202.	Madan A, Kumar R, Garg R, Chugh P, Chattaraj S, Joshi N C , Gururani P, Verma D, Ray A, Yadav A N, Mitra D (2025). Revolutionizing insights from genes: Fundamental role of data science in bioinformatics and healthcare. <b>Indian Journal Microbiology Research</b> 12(1):21-33. <a href="https://doi.org/10.18231/ijmr.2025.004">https://doi.org/10.18231/ijmr.2025.004</a> [ISSN: ISSN:2394-	2025 [28]

	546X; IP Innovative Publication] [CiteScore- 0.4]	
201.	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. <b>National Academy Science Letters</b> . <a href="https://doi.org/10.1007/s40009-024-01550-w">https://doi.org/10.1007/s40009-024-01550-w</a> [ISSN: 2250-1754; Springer] -[IF-1.2; CiteScore: 2.2, Q3]	2025 [27]
200.	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. <b>Journal of Applied Biology and Biotechnology</b> <a href="https://doi.org/10.7324/JABB.2025.232158">https://doi.org/10.7324/JABB.2025.232158</a> [ISSN: 2347-212X; Open Science Publishers LLP] [CiteScore- 1.8; Q3]	2025 [26]
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19.	<b>Yadav AN</b> , Kumar R, Kumar S, Kumar V, Sugitha TCK, Singh B, Chuahan VS, Dhaliwal HS Saxena AK (2017). Beneficial microbiomes: Biodiversity and potential biotechnological applications for sustainable agriculture and human health. <b>Journal of Applied Biology and Biotechnology</b> . 5 (6):45-57 <a href="https://doi.org/10.7324/JABB.2017.50607">https://doi.org/10.7324/JABB.2017.50607</a> [ISSN: 2347-212X; Open Science Publishers LLP] -[CiteScore- 1.8; Q3]	2017 [05]
18.	Kumar K, <b>Yadav AN</b> <sup>*</sup> , Kumar K, Vyas P, Dhaliwal HS (2017). Food waste: a potential bioresources for extraction of nutraceuticals and bioactive compounds. <b>Bioresources and Bioprocessing</b> . 4:18. <a href="https://doi.org/10.1186/s40643-017-0148-6">https://doi.org/10.1186/s40643-017-0148-6</a> [ISSN: 2197-4365; Springer] [IF:4.6, CiteScore: 6, Q1]	2017 [04]
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15.	Kaur R, Saxena A, Sangwan P, <b>Yadav AN</b> , Kumar V, Dhaliwal HS (2017). Production	2017 [01]

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13.	Verma P, <b>Yadav AN*</b> , Khannam KS, Kumar S, Saxena AK, Suman A (2016). Molecular diversity and multifarious plant growth promoting attributes of Bacilli associated with wheat ( <i>Triticum aestivum</i> L.) rhizosphere from six diverse agro-ecological zones of India. <b>Journal of Basic Microbiology</b> . 56:44-58. <a href="https://doi.org/10.1002/jobm.201500459">https://doi.org/10.1002/jobm.201500459</a> [ISSN: 1521-4028; WILEY-VCH] [IF:3.1, CiteScore: 5.1, Q2]	2016 [05]
12.	<b>Yadav AN</b> , Sachan SG, Verma P, Saxena AK (2016). Bioprospecting of plant growth promoting psychrotrophic Bacilli from cold desert of north western Indian Himalayas. <b>Indian Journal of Experimental Biology</b> . 54:142-150. [ISSN: 0019-5189; NISCAIR] [IF:0.9, CiteScore: 3.0]	2016 [04]
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8.	<b>Yadav AN</b> , Sharma D, Gulati S, Singh S, Dey R, Pal KK, Kaushik R, Saxena AK (2015). Haloarchaea endowed with phosphorus solubilization attribute implicated in phosphorus cycle. <b>Scientific Reports</b> . 5:12293. <a href="https://doi.org/10.1038/srep12293">https://doi.org/10.1038/srep12293</a> [ISSN: 2045-2322; Nature Publishing Group] [IF:4.6, CiteScore: 7.5, Q1]	2015 [06]
7.	<b>Yadav AN</b> , Sachan SG, Verma P, Taygi SP, Kaushik R, Saxena AK (2015). Culturable diversity and functional annotation of psychrotrophic bacteria from cold desert of Leh Ladakh (India). <b>World Journal of Microbiology and Biotechnology</b> . 31(1): 95–108. <a href="https://doi.org/10.1007/s11274-014-1768-z">https://doi.org/10.1007/s11274-014-1768-z</a> [ISSN: 0959-3993; Springer] [IF:4.1, CiteScore: 6.7, Q1]	2015 [05]
6.	<b>Yadav AN</b> , Sachan SG, Verma P, Saxena AK (2015). Prospecting cold deserts of north western Himalayas for microbial diversity and plant growth promoting attributes. <b>Journal of Bioscience and Bioengineering</b> . 119(6):683-693. <a href="https://doi.org/10.1016/j.jbiosc.2014.11.006">https://doi.org/10.1016/j.jbiosc.2014.11.006</a> [ISSN: 1389-1723; Elsevier] [IF:2.8, CiteScore: 6.1, Q2]	2015 [04]
5.	Verma P, <b>Yadav AN*</b> , Khannam KS, Panjiar N, Kumar S, Saxena AK, Suman A (2015). Assessment of genetic diversity and plant growth promoting attributes of	2015 [03]

	psychrotolerant bacteria allied with wheat ( <i>Triticum aestivum</i> ) from northern hills zone of India. <b>Annals of Microbiology</b> . 65:1885–1899. <a href="https://doi.org/10.1007/s13213-014-1027-4">https://doi.org/10.1007/s13213-014-1027-4</a> [ISSN: 1590-4261; Springer] [IF:3.0, CiteScore: 7.0, Q2]	
4.	<b>Yadav AN</b> , Verma P, Kumar M, Pal KK, Dey R, Gupta A, Padaria JC, Gujar GT, Kumar S, Suman A, Prasanna R, Suman A, Saxena AK (2015). Diversity and phylogenetic profiling of niche-specific Bacilli from extreme environments of India. <b>Annals of Microbiology</b> . 65(2):611-629. <a href="https://doi.org/10.1007/s13213-014-0897-9">https://doi.org/10.1007/s13213-014-0897-9</a> [ISSN: 1590-4261; Springer] [IF:3.0, CiteScore: 7.0, Q2]	2015 [02]
3.	Suman A, Verma P, <b>Yadav AN</b> , Saxena AK (2015). Bioprospecting for extracellular hydrolytic enzymes from culturable thermotolerant bacteria isolated from Manikaran thermal springs. <b>Research Journal of Biotechnology</b> . 10(4):33-42. [ISSN: 0973-6263] [CiteScore: 0.6; Q4]	2015 [01]
2.	Kumar M, <b>Yadav AN</b> , Tiwari R, Prasanna R, Sxaena AK (2014). Deciphering the diversity of culturable thermotolerant bacteria from Manikaran hot springs. <b>Annals of Microbiology</b> 64(2):741-751. <a href="https://doi.org/10.1007/s13213-013-0709-7">https://doi.org/10.1007/s13213-013-0709-7</a> [ISSN: 1590-4261; Springer] [IF:3.0, CiteScore: 7.0, Q2]	2014 [01]
1.	Pandey S, Singh S, <b>Yadav AN</b> , Nain L, Saxena AK (2013). Phylogenetic diversity and characterization of novel and efficient cellulase producing bacterial isolates from different extreme environments. <b>Bioscience, Biotechnology, and Biochemistry</b> . 77(7):1474-1480. <a href="http://doi.org/10.1271/bbb.130121">http://doi.org/10.1271/bbb.130121</a> [ISSN:0916-8451; Taylor & Francis] [IF:1.6, CiteScore: 3.7, Q3]	2013 [01]

### Other Publications (Editorial/opinion/conceptual): 37

					2024 (01)
2022 (04)	2021 (04)	2020 (05)	2019 (04)	2018 (04)	
2017 (08)	2016 (02)	2015 (02)	2014 (02)	2013 (01)	

Details at: <https://sites.google.com/view/ajarnathyadav>

### Preface (SCOPUS):

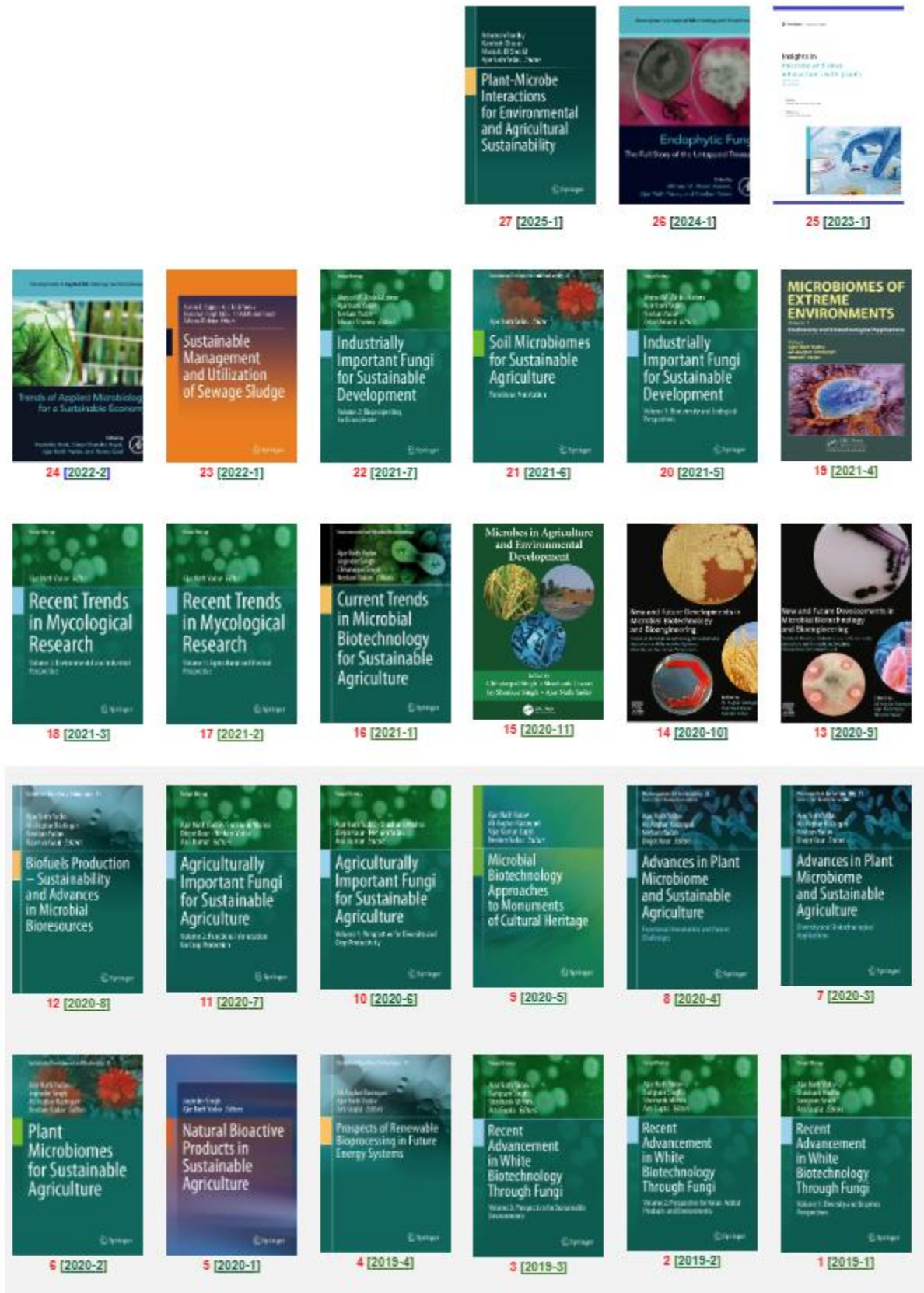
1. Abdel Azeem A.M.; Yadav A.N.; Yadav N. (2024) Endophytic Fungi: the Full Story of the Untapped Treasure
2. Rajput V.D.; Yadav A.N.; Jatav H.S.; Singh S.K.; Minkina T. (2022) Sustainable Management and Utilization of Sewage Sludge
3. Yadav A.N.; Rastegari A.A.; Gupta V.K.; Yadav N. (2020) Microbial Biotechnology Approaches to Monuments of Cultural Heritage
4. Yadav A.N.; Rastegari A.A.; Yadav N.; Kour D. (2020) Microorganisms for Sustainability, Vol-1
5. Yadav A.N.; Rastegari A.A.; Yadav N.; Kour D. (2020) Microorganisms for Sustainability Vol-1
6. Singh J.; Yadav A.N. (2020) Natural Bioactive Products in Sustainable Agriculture

**Books (Springer/Elsevier/CRC Press-Taylor & Francis/ Wiley-Blackwell): 38**

		2025 (1)	2024 (07)
	2023 (01)	2022 (02)	2021 (7)
			2020 (11)
			2019 (04)
38.	Adetunji CO, <b>Yadav AN</b> , Oyewole OA, Inobeme A. (2025). Endophytic Microorganisms as Sustainable Biotechnological Tools: Volume III: Medicine and the Pharmaceutical Industry. Wiley-Blackwell		2025 [06]
37.	Adetunji CO, <b>Yadav AN</b> , Oyewole OA, Inobeme A. (2025). Endophytic Microorganisms as Sustainable Biotechnological Tools: Volume II: Food Industry. Wiley-Blackwell		2025 [05]
36.	Adetunji CO, <b>Yadav AN</b> , Oyewole OA, Inobeme A. (2025). Endophytic Microorganisms as Sustainable Biotechnological Tools: Volume I: Ecorestoration of Heavily Polluted Environments. Wiley-Blackwell		2025 [04]
35.	Negi P, Konwar RJ, Suyal DC, Kaur T, <b>Yadav AN (2025)</b> Recent Trends in Nanoscience and Nanotechnology for future Sustainability. Cambridge Scholars Publishing, USA		2025 [03]
34.	Gupta K, <b>Yadav AN</b> , Tripathi M, Fadiji AE, <b>Yadav A (2025)</b> Microbial Nanotechnology in Agriculture - A Promising Frontier for Sustainable Crop Production. Springer Nature Switzerland AG, Gewerbestrasse 11, 6330 Cham, Switzerland		2025 [02]
33.	Pandey A, Choure K, El-Sheekh M, <b>Yadav AN (2024)</b> Plant-Microbe Interactions for Environmental and Agricultural Sustainability. Springer Nature Switzerland AG, Gewerbestrasse 11, 6330 Cham, Switzerland		2025 [01]
32.	<b>Yadav AN</b> , Sachan SG, Sachan A, Mishra S <b>(2024)</b> Microbial Production of Industrially Important Products, CRC Press, Taylor & Francis Group, USA		2024 [07]
31.	<b>Yadav AN</b> , Rastegari AA, <b>Yadav N (2024)</b> Microbiomes of Extreme Environments, Vol-2: Biotechnological Applications in Agriculture, Environment and Industry, CRC Press, Taylor & Francis Group, USA		2024 [06]
30.	Nguyen QD, Rastegari AA, <b>Yadav AN</b> , Hijri M, Gupta VK <b>(2024)</b> Nanotechnology and Microbiology for Sustainable Agriculture. Wiley-Blackwell		2024 [05]
29.	Singh K, <b>Yadav AN (2024)</b> . Triazoles: Synthesis and Biological Significances. CRC Press, Taylor & Francis Group, USA		2024 [04]
28.	Singh K, <b>Yadav AN (2024)</b> Functional Pyrazoles: Synthesis and Biological Significances. CRC Press, Taylor & Francis Group, USA		2024 [03]
27.	<b>Yadav AN</b> , Kour D, <b>Yadav A</b> , Kumar A, Saxena AK <b>(2024)</b> Microbial Technology for Climate Resilient Agriculture- Current Status and Future Challenges, Springer Nature Switzerland AG, Gewerbestrasse 11, 6330 Cham, Switzerland		2024 [02]
26.	Abdel-Azeem AM, <b>Yadav AN</b> , <b>Yadav N (2024)</b> Endophytic fungi: the full story of the untapped treasure, Elsevier, ISBN:9780323993159 [SCOPUS]		2024 [01]
25.	Islam T and <b>Yadav AN (2023)</b> Insights in microbe and virus interactions with plants: 2022. <b>Lausanne: Frontiers Media SA.</b> [ISBN 978-2-8325-4137-1], <a href="https://doi.org/10.3389/978-2-8325-4137-1">https://doi.org/10.3389/978-2-8325-4137-1</a> [SCOPUS]		2023 [01]
24.	Soni R, Suyal DC, <b>Yadav AN</b> , Goel R <b>(2022)</b> Trends of Applied Microbiology for a Sustainable Economy, Elsevier, Amsterdam, <a href="https://doi.org/10.1016/C2020-0-02717-9">https://doi.org/10.1016/C2020-0-02717-9</a> [ISBN: 9780323915953] [SCOPUS]		2022 [02]

23.	Rajput VD, <b>Yadav AN</b> , Jatav HS, Singh SK, Minkina T (2022) Sustainable Management and Utilization of Sewage Sludge. Springer, [ISBN: 9783030852269], <a href="https://doi.org/10.1007/978-3-030-85226-9">https://doi.org/10.1007/978-3-030-85226-9</a> [SCOPUS]	2022 [01]
22.	Abdel-Azeem AM, <b>Yadav AN</b> , Yadav N, Gupta M (2021) Industrially Important Fungi for Sustainable Development, Vol-2: Bioprospecting for Biomolecules, Springer, Cham, [ISBN: 9783030856038] <a href="https://doi.org/10.1007/978-3-030-85603-8">https://doi.org/10.1007/978-3-030-85603-8</a>	2021 [07]
21.	<b>Yadav AN</b> (2021). Soil Microbiomes for Sustainable Agriculture-Functional Annotation. Springer International Publishing, Switzerland [ISBN: 9783030735074], <a href="https://doi.org/10.1007/978-3-030-73507-4">https://doi.org/10.1007/978-3-030-73507-4</a>	2021 [06]
20.	Abdel-Azeem AM, <b>Yadav AN</b> , Yadav N, Usmani Z (2021) Industrially Important Fungi for Sustainable Development, Vol-1: Biodiversity and Ecological Perspective, Springer, Cham, [ISBN: 9783030675615] <a href="https://doi.org/10.1007/978-3-030-67561-5">https://doi.org/10.1007/978-3-030-67561-5</a>	2021 [05]
19.	<b>Yadav AN (2021)</b> . Recent Trends in Mycological Research, Vol-2: Environmental and Industrial Perspective, Springer International Publishing, Switzerland, [ISBN: 9783030682606], <a href="https://doi.org/10.1007/978-3-030-68260-6">https://doi.org/10.1007/978-3-030-68260-6</a>	2021 [04]
18.	<b>Yadav AN (2021)</b> . Recent Trends in Mycological Research, Vol-1: Agricultural and Medical Perspective. Springer International Publishing, Switzerland, [ISBN: 9783030606596], <a href="https://doi.org/10.1007/978-3-030-60659-6">https://doi.org/10.1007/978-3-030-60659-6</a>	2021 [03]
17.	<b>Yadav AN</b> , Rastegari AA, Yadav N (2021). Microbiomes of Extreme Environments, Volume 1: Biodiversity and Biotechnological Applications. CRC Press, Taylor & Francis Group, USA, [ISBN: 9780367342746] <a href="https://doi.org/10.1201/9780429328633">https://doi.org/10.1201/9780429328633</a>	2021 [02]
16.	<b>Yadav AN</b> , Singh J, Singh C, Yadav N (2021), Current Trends in Microbial Biotechnology for Sustainable Agriculture. Springer, Singapore, [ISBN: 9789811569494] <a href="https://doi.org/10.1007/978-981-15-6949-4">https://doi.org/10.1007/978-981-15-6949-4</a>	2021 [01]
15.	Singh C, Tiwari S, Singh JS, <b>Yadav AN</b> (2020). Microbes in Agriculture and Environmental Development. CRC Press, Taylor & Francis, USA [ISBN: 9780367524135] <a href="https://doi.org/10.1201/9781003057819">https://doi.org/10.1201/9781003057819</a>	2020 [11]
14.	<b>Yadav AN</b> , Rastegari AA, Yadav N, Gaur R (2020). Biofuels Production – Sustainability and Advances in Microbial Bioresources. Springer International Publishing, Switzerland [ISBN: 9783030539337], <a href="https://doi.org/10.1007/978-3-030-53933-7">https://doi.org/10.1007/978-3-030-53933-7</a>	2020 [10]
13.	<b>Yadav AN</b> , Rastegari AA, Yadav N, Kour D (2020). Advances in Plant Microbiome and Sustainable Agriculture: Diversity and Biotechnological Applications. Springer, Singapore [ISBN: 9789811532085] <a href="https://doi.org/10.1007/978-981-15-3208-5">https://doi.org/10.1007/978-981-15-3208-5</a>	2020 [09]
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11.	<b>Yadav AN</b> , Rastegari AA, Gupta VK, Yadav N (2020). Microbial Biotechnology Approaches to Monuments of Cultural Heritage. Springer, Switzerland [ISBN: 9789811534010] <a href="https://doi.org/10.1007/978-981-15-3401-0">https://doi.org/10.1007/978-981-15-3401-0</a> [SCOPUS]	2020 [07]
10.	<b>Yadav AN</b> , Mishra S, Yadav N, Kour D, Kumar A (2020). Agriculturally Important Fungi for Sustainable Agriculture, Volume 2: Functional Annotation for Crop Protection, Springer International Publishing, Springer Nature, Switzerland AG [ISBN: 9783030484743], <a href="https://doi.org/10.1007/978-3-030-48474-3">https://doi.org/10.1007/978-3-030-48474-3</a>	2020 [06]
9.	<b>Yadav AN</b> , Mishra S, Yadav N, Kour D, Kumar A (2020). Agriculturally Important Fungi for Sustainable Agriculture, Volume 1: Perspective for Diversity and Crop Productivity, Springer International Publishing, Springer Nature, Switzerland AG	2020 [05]

	[ISBN: 9783030459710], <a href="https://doi.org/10.1007/978-3-030-45971-0">https://doi.org/10.1007/978-3-030-45971-0</a>	
8.	Rastegari AA, <b>Yadav AN</b> , Yadav N (2020). New and Future Developments in Microbial Biotechnology and Bioengineering: Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Perspectives for Human Health. Elsevier, Amsterdam [ISBN: 9780128205280] <a href="https://doi.org/10.1016/C2019-0-00642-5">https://doi.org/10.1016/C2019-0-00642-5</a> [SCOPUS]	2020 [04]
7.	Rastegari AA, <b>Yadav AN</b> , Yadav N (2020). New and Future Developments in Microbial Biotechnology and Bioengineering: Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives. Elsevier, Amsterdam. Elsevier, Amsterdam [ISBN: 9780128205266] <a href="https://doi.org/10.1016/C2019-0-00967-3">https://doi.org/10.1016/C2019-0-00967-3</a> [SCOPUS]	2020 [03]
6.	Singh J, <b>Yadav AN</b> (2020). Natural Bioactive Products in Sustainable Agriculture. Springer, Singapore [ISBN: 9789811530241], <a href="https://doi.org/10.1007/978-981-15-3024-1">https://doi.org/10.1007/978-981-15-3024-1</a> [SCOPUS]	2020 [02]
5.	<b>Yadav AN</b> , Singh J, Rastegari AA, Yadav N (2020). Plant Microbiomes for Sustainable Agriculture. Springer International Publishing, Switzerland [ISBN: 9783030384531], <a href="https://doi.org/10.1007/978-3-030-38453-1">https://doi.org/10.1007/978-3-030-38453-1</a>	2020 [01]
4.	Rastegari AA, <b>Yadav AN</b> , Gupta A (2019). Prospects of Renewable Bioprocessing in Future Energy Systems. Springer International Publishing, Switzerland, [ISBN: 9783030144630], <a href="https://doi.org/10.1007/978-3-030-14463-0">https://doi.org/10.1007/978-3-030-14463-0</a>	2019 [04]
3.	<b>Yadav AN</b> , Mishra S, Singh S, Gupta A (2019). Recent Advancement in White Biotechnology through Fungi, Volume 3: Perspective for Sustainable Environments. Springer International Publishing, Switzerland [ISBN: 9783030255060], <a href="https://doi.org/10.1007/978-3-030-25506-0">https://doi.org/10.1007/978-3-030-25506-0</a> [WoS]	2019 [03]
2.	<b>Yadav AN</b> , Singh S, Mishra S, Gupta A (2019). Recent Advancement in White Biotechnology through Fungi, Volume 2: Perspective for Value-Added Product and Environments, Springer International Publishing, Switzerland [ISBN: 9783030148461], <a href="https://doi.org/10.1007/978-3-030-14846-1">https://doi.org/10.1007/978-3-030-14846-1</a> [WoS]	2019 [02]
1.	<b>Yadav AN</b> , Mishra S, Singh S, Gupta A (2019). Recent Advancement in White Biotechnology through Fungi, Volume 1: Diversity and Enzymes Perspectives, Springer International Publishing, Switzerland [ISBN: 9783030104801] <a href="https://doi.org/10.1007/978-3-030-10480-1">https://doi.org/10.1007/978-3-030-10480-1</a> [WoS]	2019 [01]



**Book chapters: 122**

<b>2025 (11)</b>	<b>2024 (04)</b>	<b>2023 (09)</b>	<b>2022 (08)</b>	<b>2021 (30)</b>
<b>2020 (30)</b>	<b>2019 (21)</b>	<b>2018 (05)</b>	<b>2017 (03)</b>	<b>2016 (01)</b>

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## Popular Articles: 10

		2022 (02)	2021 (03)
	2020 (00)	2019 (03)	2018 (00)
		2017 (01)	2016 (01)
10.	Gabba D, Sharma B, Kour D, <b>Yadav AN</b> (2022) Cold adaptive phosphorus solubilizing microbes for agricultural sustainability. <b>EU Voice</b> 8:41-42		2022 [02]
9.	Sharma B, Gabba D, Kour D, <b>Yadav AN</b> (2022) Color producing microbes and their potential biotechnological applications. <b>EU Voice</b> 8:40		2022 [01]
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7.	Kour D, Kaur T, Devi R, <b>Yadav AN</b> (2021). Beneficial Microbiomes for Amelioration of Drought Stress in Plants. <b>EU Voice</b> , 6: 53-54		2021 [02]
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5.	Kaur T, Devi R, Rana KL, Kour D, <b>Yadav AN</b> (2019). Microbes with multifarious plant growth promoting attributes for sustainable agriculture. <b>EU Voice</b> , 5:11-13		2019 [03]
4.	Kour D, Rana KL, <b>Yadav AN</b> (2019). Drought stress in plants and their mitigation by soil microbiomes. <b>EU Voice</b> , 4:29-30		2019 [02]
3.	Rana KL, Kour D, <b>Yadav AN</b> (2019). Endophytic Microbes and their Biotechnological Applications. <b>EU Voice</b> ,4:31-34		2019 [01]
2.	<b>Yadav AN</b> , Verma P, Kumar R, Kumar V, Kumar K (2017). Current applications and future prospects of eco-friendly microbes. <b>EU Voice</b> . 3:21-22.		2017 [01]
1.	<b>Yadav AN</b> , Rana KL, Kumar V, Dhaliwal HS (2016). Phosphorus Solubilizing Endophytic Microbes: Potential Application for Sustainable Agriculture. <b>EU Voice</b> , 2:5		2016 [01]

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	<b>Yadav AN</b> (2020). Production Technology for Bioagents and Biofertilizers- A Laboratory Manual, Eternal University, Baru Sahib, India, pp 1-75	2020 [01]
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2.	Saxena AK, Padaria JC, Gurjar GT, <b>Yadav AN</b> , Lone SA, Tripathi M, MVS Rajawat (2020). Insecticidal formulation of novel strain of <i>Bacillus thuringiensis</i> AK 47. Indian Patent 340541 [Application No. 2361/DEL/2014; Filing date 20/08/2014; Publication date: 26/02/2016; Granted date: 06/07/2020] <a href="https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus">https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus</a>	2020 [02]
1.	Negi P, Konwar RJ, Kumar R, Dhaliwal KS, <b>Yadav AN</b> , Kumar S, Dhar S, Kumar S, Verma Y, Sharma A, Shailja, Kaur T (2020). "An Improved Solar Dryer And Its Application Thereof" Application No_202011035818; Date of filing: 20/08/2020	2020 [01]

## Research Communications: 131 (International-70; National-61)

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## XII. Editor/Reviewer Responsibilities and Reorganization

Editor-in-Chief	:	01
Associate Editor	:	05
Editor for Special Issue	:	12
Reviewers	:	130
External Assessor/examiner	:	05

### Editor-in-Chief: 01

S.N.	Journal	Citescore
1.	Journal of Applied Biology and Biotechnology [ISSN: 2347-212X; Open Sci]	1.8; Q3

### Associated Editor: 05

S.N.	Journal	Impact Factor
1.	Current Microbiology [ISSN: 1432-0991; Springer]	2.6
2.	Frontiers in Microbiology [ISSN: 1664-302X]	5.2
3.	Plant Science Today [ISSN: 2348-1900; Horizon]	0.7
4.	Stress Biology [ISSN: 2731-0450; Springer]	-
5.	Microbial Biosystems [ISSN: 2357-0334; Arab Soc]	-

Verified Details at- <https://www.webofscience.com/wos/author/record/I-3572-2014>

Number of manuscript handled as Editor: 229

### Special Issues Editor: 14

S.N.	Research Topic	Year	Journal
1.	From Biodiversity to Biotechnological Applications for Sustainable Development Goals	2025	Journal of Applied Biology and Biotechnology
2.	Harnessing Microbes for Eco-Friendly Nanoparticle Production and Sustainable Applications	2025	Frontiers in Microbiology
3.	Current Trends in Plant Science and Microbiome for Sustainability	2024	Plant Science Today
4.	Microbial Biotechnology Trends for Future Sustainability	2024	Microbial Biosystems
5.	Biotechnological Trends for Sustainability	2024	Journal of Applied Biology and Biotechnology
6.	Futuristic Plant Microbes Biotechnology and Bioengineering	2024	Frontiers in Microbiology
7.	Insights in Microbe and Virus Interactions with Plants:	2023	Frontiers in Microbiology

	2022		
8.	Exploration of Cold-Adapted Microorganisms for Sustainable Development	2022	Frontiers in Microbiology
9.	Current Trends in Pharmaceutical Microbial Biotechnology for Sustainable Developments	2022	Journal of Applied Pharmaceutical Science
10.	Microbes for Agricultural and Environmental Sustainability	2021	Journal of Applied Biology and Biotechnology
11.	Fungal Biotechnology for Agricultural Sustainability	2021	Frontiers in Fungal Biology
12.	Bioremediation and Waste Management for Environmental Sustainability	2021	Journal of Applied Biology and Biotechnology
13.	Soil and Phytomicrobiomes for Plant growth Promotion and Soil Fertility	2021	Plant Science Today
14.	Biology of Hidden Partners: Fungi and Plants	2021	Biology

### Reviewer for Journal

- **Number of Journal** : **130**
- **Number of manuscript reviewed** : **495**

S.N.	Journal	IF
1.	Fungal Diversity [ISSN: 1674-8018; Springer]	20.3
2.	Protein & Cell [ISSN: 1674-8018; Springer]	14.8
3.	Biotechnology Advances [ISSN: 0734-9750, Elsevier]	14.2
4.	Journal of Cleaner Production [ISSN: 1879-1786; Elsevier]	11.1
5.	Critical Reviews in Food Science and Nutrition [ISSN 2193-1801]	10.2
6.	Current Environmental Health Reports [ISSN: 2196-5412; Springer]	7.1
7.	Biology and Fertility of Soils [ISSN: 1432-0789; Springer]	6.6
8.	Environmental and Experimental Botany [ISSN: 0098-8472; Elsevier]	6.0
9.	Journal of Fungi [ISSN: 2309-608X ; MDPI]	5.8
10.	Frontiers in Plant Science [ISSN: 1664-462X]	5.7
11.	Microbiological Research [ISSN: 0944-5013, Elsevier]	5.4
12.	International Journal of Food Microbiology [ISSN: 0168-1605; Elsevier]	5.2
13.	Frontiers in Chemistry [ISSN: 2296-2646]	5.2
14.	Frontiers in Microbiology [ISSN: 1664-302X]	5.2
15.	Biomass Conversion and Biorefinery [ISSN: 2190-6823; Springer]	4.9
16.	Applied Microbiology and Biotechnology [ISSN: 1432-0614; Springer]	4.8
17.	Plants [ISSN: 2223-7747]	4.8
18.	Frontiers in Environmental Science [2296-665X]	4.6
19.	Frontiers in Physiology [ISSN: 1664-042X]	4.5
20.	Microbial Ecology [ISSN: 1432-184X; Springer]	4.5
21.	Scientific Reports- Nature [ISSN 2045-2322; Nature Publication]	4.3
22.	Environmental Science and Pollution Research [Springer]	4.2
23.	Saudi Journal of Biological Sciences [ISSN: 1319-562X, Elsevier]	4.2
24.	BMC Plant Biology [ISSN: 1471-2229; Springer]	4.2
25.	Journal of Plant Growth Regulation [ISSN: 1435-8107; Springer]	4.1
26.	Sustainability [ISSN 2071-1050]	3.8
27.	Journal of Soil Science and Plant Nutrition [ISSN: 0718-9516; Springer]	3.8
28.	Journal of Applied Microbiology [SSN:1365-2672; Wiley]	3.7
29.	Enzyme and Microbial Technology [ISSN: 0141-0229; Elsevier]	3.7

30.	BMC Microbiology [ISSN: 1471-2180; Springer]	3.6
31.	Frontiers in Materials [ISSN: 2296-8016]	3.5
32.	Frontiers in Veterinary Science [ISSN: 2297-1769]	3.4
33.	World Journal of Microbiology and Biotechnology [Springer]	3.3
34.	Journal of Soils and Sediments [ISSN: 1439-0108; Springer]	3.3
35.	Current Topics in Medicinal Chemistry [ISSN: 1873-4294; Bentham]	3.2
36.	Archaea [ISSN: 1472-3654; Hindawi]	3.2
37.	Plos One [ISSN: 1932-6203; Public Library of Science]	3.2
38.	Bioprocess and Biosystems Engineering [ISSN: 1615-7605; Springer]	3.2
39.	Life [ISSN: 2075-1729, MDPI]	3.2
40.	Future Microbiology [ISSN: 1746-091]	3.1
41.	Symbiosis [ISSN: 1878-7665]	3.1
42.	Applied Biochemistry and Biotechnology [ISSN: 1559-0291]	3.0
43.	Mycological Progress [ISSN:1861-8952; Springer]	2.8
44.	Physiological and Molecular Plant Pathology [ISSN: 1096-1178; Elsevier]	2.7
45.	Journal of Plant Nutrition and Soil Science [ISSN: 1522-2624]	2.5
46.	Archives of Microbiology [ISSN: 1432-072X; Springer]	2.5
47.	Indian Journal of Microbiology [ISSN: 0046-8991; Springer]	2.4
48.	3 Biotech [ISSN: 2190-5738; Springer]	2.4
49.	Extremophiles [ISSN: 1433-4909; Springer]	2.3
50.	South African Journal of Botany [ISSN: 1727-9321; Elsevier]	2.3
51.	Geomicrobiology Journal [ISSN: 1521-0529]	2.3
52.	Pedobiologia [ISSN: 0031-4056; Elsevier]	2.3
53.	Journal of Basic Microbiology [ISSN: 1521-4028; Willey]	2.2
54.	Agronomy Journal [ISSN 1435-0645]	2.2
55.	Current Microbiology [ISSN: 1432-0991; Springer]	2.1
56.	Folia Microbiologica [ISSN: 1874-9356; Springer]	2.0
57.	Journal of Plant Diseases and Protection [ISSN:1861-3837; Springer]	1.9
58.	Plant Signaling and Behavior [ISSN: 1559-2324; Taylor and Francis]	1.8
59.	CLEAN - Soil, Air, Water [ISSN: 1863-0650; Willey]	1.7
60.	Phyton - International Journal of Experimental Botany [ISSN:0031-9457]	1.7
61.	Indian Journal of Microbiology Research [ISSN No. 2394-546X]	1.4
62.	Turkish Journal of Botany [ISSN: 1300-008X]	1.4
63.	Turkish Journal of Biology [ISSN: 1300-0152]	1.4
64.	Biologia [ISSN: 1336-9563]	1.4
65.	Journal of Crop Improvement [ISSN:1542-7536]	1.3
66.	African Health Sciences [ISSN: 1729-0503]	1.1
67.	Frontiers in Bioscience-Landmark [ISSN: 2768-6698]	1.0
68.	Journal of Microbiology & Experimentation [ISSN: 2373-437X]	-
69.	African Journal of Microbiology Research [ISSN: 1996-0808]	-
70.	AIMS Agriculture and Food [ISSN 2471-2086]	-
71.	AIMS Environmental Science [ISSN 2372-0352]	-
72.	AIMS Microbiology [ISSN 2471-1888]	-
73.	American Journal of Agricultural and Biological Sci [ISSN: 1557-4997]	-
74.	Anti-Infective Agents [ISSN: 2211-3533]	-
75.	Applied Biological Research [ISSN: 0974-4517]	-
76.	Arab Gulf Journal of Scientific Research	

77.	Asian Journal of Natural Product Biochemistry [ISSN: 2775-4197]	-
78.	Asian Journal of Tropical Biotechnology [ISSN:	-
79.	Biocatalysis and Agricultural Biotechnology [ISSN: 0734-9750; Elsevier]	-
80.	Biodiversitas, Journal of Biological Diversity [ISSN: 1412-033X]	-
81.	Biodiversity International Journal [ISSN: 2575-906X]	-
82.	Biomedical Research and Therapy [ISSN: 2575-906X]	-
83.	Biometrics & Biostatistics International Journal [ISSN: 2378-315X]	-
84.	Biosciences Biotechnology Research Asia	-
85.	BioTechnologia [ISSN: 2353-9461]	-
86.	Biotechnology reports [ISSN: 2215-017X; Elsevier]	-
87.	Case Studies in Chemical and Environmental Engineering	-
88.	Cell Biology and Development [ISSN: 2580-4499]	-
89.	Chiang Mai Journal of Science [ISSN: 2465-3845]	-
90.	Cogent food & agriculture [ISSN: 2331-1932; Taylor and Francis]	-
91.	Computational and Mathematical Methods in Medicine [ISSN: 1748-6718]	-
92.	Current Research in Biotechnology [ISSN: 2590-2628; Elsevier]	-
93.	Current Research in Nutrition and Food Science [ISSN: 2347-467X]	-
94.	Defence Life Science Journal [ISSN: 2456-0537]	-
95.	Environmental Sustainability [ISSN: 2523-8922; Springer]	-
96.	Frontiers in Soil Science [ISSN: 2673-8619]	-
97.	Frontiers in Sustainability [2673-4524]	-
98.	Frontiers in Sustainable Food Systems [ISSN 2571-581X]	-
99.	Helia [ISSN: 2197-0483]	-
100.	Heliyon [ISSN: 2405-8440; Elsevier]	-
101.	Indian Phytopathology [ISSN: 2248-9800; Springer]	-
102.	Indo Pacific Journal of Ocean Life [ISSN:2775-1953]	-
103.	International Journal of Applied Nanotechnology	-
104.	International Journal of Life science and Pharma Research	-
105.	International Journal of Microbiology [ISSN: 1687-9198; Hindawi]	-
106.	International Journal of Molecular Biotechnology	-
107.	International Journal of Nanomaterials and Nanostructure	-
108.	International Journal of Plant Biotechnology	-
109.	JEADV Clinical Practice [ISSN:2768-6566]	-
110.	Journal of Applied Biology and Biotechnology [ISSN: 2347-212X]	-
111.	Journal of Applied Biotechnology & Bioengineering [ISSN: 2572-8466]	-
112.	Journal of Applied Pharmaceutical Science [ISSN 2231-3354]	-
113.	Journal of Industrial Biotechnology [ISSN: 2642-4274]	-
114.	Journal of Nutritional Health & Food Engineering [ISSN: 2373-4310]	-
115.	Journal of Pure and Applied Microbiology [ISSN: 0973-7510]	-
116.	Journal of Visualized Experiments [ISSN: 1940-087X]	-
117.	Latin American Applied Research [ISSN: 0327-0793]	-
118.	Microbial Biosystems [ISSN: 2357-0334]	-
119.	Microbiology Insights	-
120.	Nusantara Bioscience	-
121.	PASI- Biological Sciences (ISSN: 2250-1746; Springer)	-
122.	Plant Cell Biotechnology and Molecular Biology [ISSN: 0972-2025]	-
123.	Plant Cell Biotechnology and Molecular Biology [ISSN: 0972-2025]	-

124.	Plant Science Today [ISSN: 2348-1900; Horizon e-Publishing Group]	-
125.	Scientific African [ISSN: 2468-2276; Elsevier]	-
126.	South-Western Journal of Horticulture Biol and Environ [ISSN: 2068–7958]	-
127.	SpringerPlus [ISSN 2193-1801; Springer]	-
128.	Tropical Life Sciences Research [ISSN: 2180-4249]	-
129.	Warasan Khana Witthayasat [ISSN: 0125-2526]	-
130.	Current Chemical Biology [ISSN:1872-3136]	--
131.	BMC Plant Biology	
132.	Archives of Microbiology	

#### Verified Details at-

1. **Web of Science:** <https://www.webofscience.com/wos/author/record/l-3572-2014>
2. **ORCID:** <http://orcid.org/0000-0002-6911-7050>

#### External Assessor/examiner (Student thesis evaluation): 05

S.N.	Thesis	Year	University	Country
1.	<b>Student-</b> Israel Olawale Omomowo Ph.D. in Science with Biology <b>Title-</b> Improving cowpea production in North West Province using endophytic bacteria and fungi <b>Supervisor:</b> Prof O.O. Babalola	2023	North-West University	South Africa
2.	<b>Student-</b> Blessing Chidinma Nwachukwu Ph.D. in Science with Biology <b>Title-</b> Microbial Diversity, Community Structure and Functional Characteristics of Sunflower Rhizospheric Soils <b>Supervisor:</b> Prof O.O. Babalola	2022	North-West University	South Africa
3.	<b>Student-</b> A.E. Fadiji Ph.D. in Biology <b>Title-</b> Metagenomic Analysis of Endophytic Microbiome Inhabiting Maize Plant. <b>Supervisor:</b> Prof O.O. Babalola	2021	North-West University	South Africa
4.	<b>Student-</b> BS Adeleke Ph.D. in Biology <b>Title-</b> Molecular Insights Into Bacterial Community Structure of Sunflower Endosphere <b>Supervisor:</b> Prof O.O. Babalola	2021	North-West University	South Africa
5.	<b>Student-</b> Pallavi Sharma (PHB2017001) Ph.D. in Science (Biotechnology) <b>Title-</b> Antibigram analysis of bioactive compound from <i>Chlorophytum borivillianum</i> <b>Supervisor:</b> Dr. Nitesh Kumar Poddar	2021	Invertis University, Bareilly	India

### XIII Collaboration in Research with Foreign and Indian Scientists

- International/ National Collaboration : 414
- <https://www.scopus.com/authid/detail.uri?authorId=55826083300#tab=co-authors>

#### International Collaboration

SN	Researcher	Affiliation	Country
1.	Dr. Abd El-Latif Hesham	Department of Genetics, Faculty of Agriculture, Beni-Suef University, Beni-Suef 62521, Egypt	Egypt
2.	Dr. Abdul M. Mouazen	Department of Environment, Faculty of Bioscience Engineering, Ghent University, 9000 Gent, Belgium	Belgium
3.	Dr. Ahmed M. Abdel-Azeem	Botany and Microbiology Department, Faculty of Science, University of Suez Canal, Ismailia, Egypt	Egypt
4.	Dr. Ali Asghar Rastegari	Department of Molecular and Cell Biochemistry, Falavarjan Branch, Islamic Azad University, Isfahan	Iran
5.	Dr. Ana Corrêa	Centre for Ecology, Evolution and Environmental Changes Faculdade de Ciências da Universidade de Lisboa. Edifício C2, Piso 5, Sala 2.5.03 Campo Grande 1749-016 Lisboa, Portugal	Portugal
6.	Dr. Anisa Ratnasari	Department of Environmental Engineering, Institut Teknologi Sepuluh Nopember, Surabaya 60111, Indonesia	Indonesia
7.	Dr. Ayomide Emmanuel Fadiji	Hawkesbury Institute for the Environment, Western Sydney University, Australia	Australia
8.	Dr. El-hafid Nabti	Laboratoire de Maitrise des Energies Renouvelables, Faculté des Sciences de la Nature et de la Vie, Université de Bejaia, Algeria	Algeria
9.	Dr. Gustavo Santoyo	Instituto de Investigaciones Químico Biológicas, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Mexico	Mexico
10.	Dr. Joana Cruz	Centre for Ecology, Evolution and Environmental Changes and CHANGE-Global Change and Sustainability Institute, Faculdade de Ciências, Universidade de Lisboa, Campo Grande, Portugal	Portugal
11.	Dr. Murat Dikilitas	Department of Plant Protection, Faculty of Agriculture, Harran University, S. Urfa 63210, Turkey	Turkey
12.	Dr. Olubukola Oluranti Babalola	Faculty of Natural and Agricultural Sciences, North-West University, Private Mail Bag X2046, South Africa	South Africa
13.	Dr. Sylia Ait Bessai	Laboratoire de Maitrise des Energies Renouvelables, Faculté des Sciences de la Nature et de la Vie, Université de Bejaia, Algeria	Algeria
14.	Dr. Tatiana Minkina	Department of Soil Science, Academy of Biology and Biotechnology, Southern Federal University, Rostov-on-Don, Russia	Russia
15.	Dr. Tofazzal Islam	Institute of Biotechnology and Genetic Engineering (IBGE), Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh	Bangladesh

#### **XIV. Organized conferences/workshops: 10**

1. **April 5-6, 2025**, International Conference on “Pathways to Progress: The Strategic Role of Research in India's Socio-Economic Development” held at Eternal University, Baru Sahib, Sirmour, Himachal Pradesh (**Organizing Secretary**)
2. **May 27-28, 2022**, National Conferences on “Current Scientific Innovation and Research in Plant Biology, held at Eternal; University, Baru Sahib, Sirmour, Himachal Pradesh
3. **March 25-26, 2022**, International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy held at Eternal; University, Baru Sahib, Sirmour, Himachal Pradesh
4. **September 4-5, 2021**, National conference on “Sustainability: Methods, Practices and Adaptation-Indian Perspective (SMPAIP-2021) held at Eternal; University, Baru Sahib, Sirmour, Himachal Pradesh
5. **September 27-29, 2019**, 2<sup>nd</sup> International Conference on “Recent Advances in Agriculture, Environmental & Applied Sciences for Global Development (RAAEASGD-2019), at Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, Indi
6. **May 24-25, 2019**, National Conferences on “New Insights in Biological & Environmental Sciences (NIBES)” at Eternal University, Baru Sahib, HP
7. **April 7-8, 2017**, 2<sup>nd</sup> International Conferences of “Innovative Research in Engineering, Science and Technology”, held at Eternal University, Baru Sahib, HP
8. **March 24-25, 2017**, National Conference on Advances in Food Science and Technology, held at Eternal University, Baru Sahib, HP.
9. **March 14, 2017**, Workshop on Intellectual Property Rights: Issues and Challenges (IPRIC-2017) at Eternal University, Baru Sahib, Sirmour-173101, HP, India
10. **April 7-10, 2014**, Indo-German workshop on “Microbial Ecology and Application of Inoculants in Biocontrol” at Division of Microbiology, Indian Agricultural Research Institute, New Delhi-110012
11. **February 15-18, 2012**, 2<sup>nd</sup> International Conferences on “Agrochemicals protecting crops, health and natural environment: Role of chemistry for sustainable agriculture, held at IARI, New Delhi
12. **March 17-18, 2011**, ICAR-Zonal Technology Management & Business Planning Development Unit, Workshop (North Zone-I) Indian Agricultural Research Institute, New Delhi-110012

#### **XV. Attended trainings/workshops: 07**

1. February 4, 2022, National Intellectual Property Awareness Mission (NIPAM), organized by Intellectual Property Office, India
2. December 20-22, 2021, AICTE sponsored 3 days workshop on “Examination Reforms” at Chitkara University, Atal Shiksha Kunj, Kalujhinda, Solan, Himachal Pradesh
3. March 14, **2017**, Workshop on Intellectual Property Rights: Issues and Challenges (IPRIC-2017) at Eternal University, Baru Sahib, Sirmour-173101, HP, India
4. November 19-30, **2013**, Training on “Computational Tools for Microbial Research” at National Bureau of Agriculturally Important Microorganisms (ICAR-NBAIM), UP- 275101.
5. January 11-21, **2011**, Training on “Statistical Computational Genomics Data Analysis” held at Statistical and Computational Genomics Lab Facility. Indian Agricultural Statistics Research Institute, Library Avenue PUSA New Delhi-110012.
6. December 14-17, **2010**, International workshop on “rRNA Sequencing, Phylogeny & Next Generation Genome Sequencing” 51<sup>st</sup> Annual Conference of AML held at BIT, Ranchi.
7. June-July, **2008**, Training on “Isolation and biochemical characterization of Methylootrophs: Gel electrophoretic technique for g-DNA quantification” under supervision of Dr. Kamlesh K. Meena, Senior Scientist, NBAIM-ICAR Kushmaur, Mau Nath Bhanjan, UP-275101.

## XVI. Attended and presentation in conferences: 17

### International: 10

1. **Yadav AN**, et al **2018**. Role of stress tolerant phosphorus solubilizing microbes associated with cereals and pseudo cereals in extenuating drought stress. *In: International conferences on Advances in Science and Technology*, for paper entitled, held Chandigarh. 16-18 March, **2018**
2. **Yadav AN**, et al **2017**. Beneficial microbes: Potential biotechnology applications for agriculture and human health. *In: 2<sup>nd</sup> International Conferences of "Innovative Research in Engineering, Science and Technology"*, held at Eternal University, Baru Sahib, HP. April, 24-25, **2017**, (*Oral presentation*).
3. **Yadav AN**, et al **2016**. Microbial community composition and seasonal variations in culturable archaea in hypersaline soil of Rann of Kutch, India. *In: 57<sup>th</sup> AMI*, International symposium on "*Microbes and Biosphere: What's New What's Next*" held at Guwahati University, Assam, India. November 24-27, **2016**, (*Young Scientist Award*).
4. **Yadav AN**, et al **2016**. Actinobacteria from Indian cold deserts: Diversity, distribution and beneficial impact for sustainable agriculture. *In: International Seminar on "Indigenous Technologies for Sustainable Agriculture and Better Tomorrow"* held at CSIR-NBRI, India. January 9-10, **2016** (*Best paper presentation Award*).
5. **Yadav AN**, et al **2015**. Mitigation of cold stress for growth and yield of wheat (*Triticum aestivum* L.) by psychrotrophic pseudomonads from cold deserts of Indian Himalayas. *In: 56<sup>th</sup> AMI & International symposium on "Emerging Discoveries in Microbiology"* held at JNU, New Delhi, India. December 7-10, **2015**, (*Oral presentation-Young Scientist Award*).
6. **Yadav AN**, et al **2015**. Microbes mediated alleviation of cold stress for growth and yield of wheat (*Triticum aestivum* L.). *In: International conference on "Low Temperature Science and Biotechnological Advances"* held at NASC Complex, New Delhi, India, April 27-30, **2015**, (*Best paper presentation Award*).
7. **Yadav AN**, et al **2013**. Diversity and Phylogeny of low temperature plant growth promoting fluorescent *Pseudomonas* isolated from cold desert of north western Himalayas. *In: 54<sup>th</sup> AMI*, International symposium on "*Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance*" held at Maharshi Dayanand University, Rohtak Haryana, India. Nov. 17-21, **2013**.
8. **Yadav AN**, et al **2013**. Prospecting cold desert Rohtang Pass for microbial diversity and cold active hydrolytic enzymes. *In: 53<sup>rd</sup> AMI*, International conference on "*Microbial world: Recent Innovation and Future Trends*" held at KIIT University, Bhubaneswar, Odisha, India. Nov 22-25, **2012**.
9. **Yadav AN**, et al **2011**. Molecular diversity and functional annotation of psychrotolerant bacteria from Indian cold desert. *In: 52<sup>nd</sup> AMI*, International conference on "*Microbial Biotechnology for Sustainable Development*" held at Punjab University, Chandigarh, India. Nov 3-6, **2011**.
10. **Yadav AN**, et al **2010**. Diversity analysis of *Bacillus* and other predominant genera from Chilka Lake. *In: 51<sup>st</sup> AMI*, International symposium on "*Recent Advance in Cross-disciplinary Microbiology: Avenues & Challenges*" held at Birla Institute of Technology, Mesra Ranchi, Dec 14-17, **2010**.

### National: 07

1. **Yadav AN**, Kour D, Kaur T (2021) Novel and potential microbial consortium as bio-inoculants for organic farming in Himachal Pradesh, In: national conference on "Sustainability: Methods, Practices and Adaptation- Indian Perspective (SMPAIP-2021)" held at Eternal; University, Baru Sahib, Sirmour, Himachal Pradesh **September 4-5, 2021**,

2. **Yadav AN**, et al 2017. Probiotic Microbes: Biodiversity, Mechanisms of action and potential role in human health. *In: 1<sup>st</sup> National Conference on Advances in Food Science and Technology*, held at Eternal University, Baru Sahib, HP. March 7-8, **2017**, (*Oral presentation*).
3. **Yadav AN**, et al 2016. Microbiome of Indian Himalayan regions: Molecular diversity, phylogenetic profiling and biotechnological applications. *In: 86<sup>th</sup> Annual Session of NASI & the Symposium on "Science, Technology and Entrepreneurship for Human Welfare in The Himalayan Region"* Uttarakhand Technical University and Uttarakhand Council of Science & Technology, Dehradun, Dec 2-4, **2016**.
4. **Yadav AN**, et al 2013. Diversity and phylogeny of plant growth promoting psychrotropic bacilli from Indian cold deserts. *In: 83<sup>rd</sup> Annual session of NASI & symposium on "Space for Human Welfare"* held at Goa University, Dec 5-7, **2013**, (*Young Scientist-NASI Swarna Jayanti Purasakar*).
5. **Yadav AN**, et al 2012. Diversity Analysis and Plant Growth Promoting Attributes of Culturable Psychrotolerant Bacteria from Leh Ladakh and Rohtang Pass. *In: National symposium on "Microbes in Health and Agriculture"* held at School of Life Sciences, Jawaharlal Nehru University New Delhi. March 12-13, **2012**, (*Best paper presentation Award*).
6. **Yadav AN**, et al 2012. Diversity of Culturable Psychrotrophic Bacteria from Leh Ladakh and Bioprospecting for Cold-Active extracellular enzymes. *In: National seminar on "Biotechnological Interventions for the Benefit of Mankind"* held at Anand Engineering College, Agra, India Feb. 2-4, **2012**, (*Oral presentation*).
7. **Yadav AN**, et al 2008. Transplantation and graft rejection. *In: KEPLER (Knowledge Exchange Programme in Life Science Education & Research)* held at J.C. Bose Institute of life science, Bundelkhand University, Feb 27-28, Jhansi **2008**.

## XVII. Data submitted at NCBI GenBank databases: in public domain

### Nucleotide sequences: **2639**

1. **16S rRNA gene sequences: 2639 [Archaea (159); Bacteria (2439)]**
2. Archaeal whole genome: **1** [*Halolamina pelagica* strain CDK2]
3. Bacterial whole genome: **2** [*Bacillus thuringiensis* AKS47 and *Arthrobacter agilis* L77]
4. ITS sequences: Fungi (**117**)
5. Whole genome shotgun sequence bacteria (**128**)
6. Whole genome shotgun sequence Archaea (**09**)
7. Housekeeping genes: **159** [rpoB-**114**; gyrB-**45**]
8. Other genes: [*cspA/B* gene-**18**; *maxF*-**20**]
9. Protein data: **3658** (Archaea-3485; Bacteria-173)

### Accession number

- **Bacteria 2439** : JF343172-214, JF343224237, JN896268-70, JN896272-75, JN896277-78, JX312575-640, JX428946, JX428948-53, JX428955-58, JX428960-9071, JX441879-81, JX460806-51, JX512189-96, JX645202-31, KC492091-108, KC492101-108, KC581669-85, KF054746-5024, KF572994-3006, KF650698-716, KF672712-727, KF712889-930, KF722867, KJ433608-37, KJ438933-38, KJ4749385077, KJ572539, KJ701439-40, KJ713308-31, KJ752760-66, KJ874354-82, KJ875353-5789, KJ875634, KJ875638-674, KJ909209-279, KJ958915-18 and KM878131-334; KT934806. Halophilic bacteria (Kutch): **67**: KT441030- KT441097; Endophytic bacteria: Maize (13): KT149746-758; Bacteria from Brassica and Maize (18): KX527627- KX527644  
<https://www.ncbi.nlm.nih.gov/nucleotide/?term=Yadav+AN+bacteria>
- **Archaea (159)**: JX428947, JX428954, JX428959, KF650663-97 and KJ875291-352; KR261596. LGUC00000000-03 & NZ\_LGUC00000000-03  
<https://www.ncbi.nlm.nih.gov/nucleotide/?term=Yadav+AN+archaea>

- **Fungi (92):** JF343215-23, KF530850-74 and KJ433638-74  
<https://www.ncbi.nlm.nih.gov/nucleotide/?term=Yadav+AN+Fungi>

### **Others sequences**

- **rpoB (114):** KJ474967-75, KJ47498590, KJ475055-77, KJ909209-279 and KJ958917-18.
- **gyrB (45):** KJ474959-66, KJ47497684 and KJ475032-54.
- **maxF (20):** KJ438933-38 and KF650703-716.
- **cspA/B (18):** JN896268-70, JN896272-75 and JN896277-78
- Whole genome shotgun sequences: (128)-[**Bacillus thuringiensis** AKS47-JWST00000000-052; JWST01000001-106; **Arthrobacter agilis** L77-JWSU00000000-010(22)]  
**Halolamina pelagica** CDK2- LGUC00000000-03 & NZ\_LGUC00000000-03 (08)

**Protein ID: Archaea** (KPN32335-KPN32354) **Bacteria** (AIM54514-AIM54533)

**Submission under process:** Archaeal Genome: 2 [**Haloterrigena hispanica** IARI-SGAB3, **Halococcus** sp. IARI-] and Transcriptome: 2 [**Halobacillus** SL3 and **Arthrobacter sulfurous** IARI-L-60]

- <http://www.ncbi.nlm.nih.gov/nucleotide/?term=Yadav+AN>
- <http://www.ncbi.nlm.nih.gov/protein/?term=Yadav+AN>

### **Culture deposited at public depository: 550**

1. A total 318 (NAIMCC-B-01121-170, NAIMCC-B-01530-605 and NAIMCC-B-01632-721) bacterial isolates exhibited multifunctional plant growth promoting activities and extracellular hydrolytic enzymes producer at different abiotic stresses such as low & high temperature, low & high pH, drought and salinity were deposited at NBAIM, Mau Uttar Pradesh, India.
  - <http://nbaim.org.in/shownews.aspx?code=cce9844c-3629-449a-b9ca-f5de153dc01b>

## **XVIII. Expertise**

### **Bioinformatics & Softwares Proficiency**

BLASTn, Codon Code Aligner, CAP3 Sequence Assembly Program, ClustalW, Shannon-Wiener Diversity Index analysis, PAST, NTSYS-2.02e and MEGA4, MEGA5 & 6, XLSTATE.

### **Instruments Handled**

Autoclave, BIOLOG System, BOD Incubator, Centrifuge (Sigma 3K30 & Remi), Conductivity meter, Digital colony counter, Microscope, Double distillation unit, Gel documentation System, Gel electrophoresis, PCR, pH-meter, Refrigerated water bath, UV-Vis Spectrophotometer (Shimadzu-1700), Water Purification System, Growth Kinetic analyzer, Lyophilizers.

### **Expertise/Skills**

1. **Microbiology:** Isolation, Enumeration and Purification of Archaea, Eubacteria and Fungi, Morphological and cultural characterization microbes from extreme environments, Staining and Microscopy, Biochemical characterization, PGP attributes and hydrolytic enzymes production, Preservation of microorganisms. BIOLOG carbon- utilization pattern of isolates and Lyophilization of bacteria and archaea
2. **Molecular Biology:** Genomic DNA extraction and optimization for Archaea and other microorganisms, PCR amplification of 16S rRNA, *maxF*, *csp*, *hsp* and housekeeping genes, Amplified Ribosomal DNA Restriction Analysis (ARDRA), Gel electrophoresis.
3. **Compatibility summary:** Having fine laboratory skills, Good analytical and conceptual skills, Good communication and time, management skills

## XIX. Personal Profile

Name : Ajar Nath Yadav  
Father's Name : Shiv Nath Yadav  
Mother's Name : Sursati Devi Yadav  
Date of Birth : 12 Feb 1982  
Gender : Male  
Marital status : Married [Neelam Yadav-wife; Anirudh & Aniket Yadav- Sons]  
Nationality : Indian  
Category : OBC (NCL)  
Languages Known : Hindi & English  
Strength : Confidence, Sincere & hardworking  
Aadhaar number : 5694 4308 3902

### Permanent address

S/o Shiv Nath Yadav, Achhar (Sagra), Mau Nath Bhanjan, Mau -275101, Uttar Pradesh, India

## XX. References

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## XXI. 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:** 07/07/2025  
**Place:** Baru Sahib



(Ajar Nath Yadav)

## Keywords of Research

Applied Microbiology; Bacterial Genome; Bacterium Identification; Biodegradation; Biofertilizer; Biofilm; Biofuel; Biological Control; Biological Nitrogen Fixation; Bioremediation; Bioremediation; Cyanobacteria; Gene Sequencing; Endophytic Microbiome; Functional Food; Heavy Metal; Metagenomics; Microbial Biotechnology; Microbial Community; Microbiome; Microorganisms; Nanoparticles; Phyllospheric Micorbiomes; Physiological Stress; Plant Diseases; Plant Growth; Plant Growth-Promoting Rhizobacteria; Probiotic; Rhizosphere; Secondary Metabolite; Soil Microbiology; Soil Pollution; Solubilization; Wastewater Treatment; Plant Microbe-Interaction; Antimicrobial Resistance; Host-Microbe Interactions; Environmental Diversity; Food Microbiology; Microbial Physiology & Metabolism; Systematics; Genomic Microbiology and Microbial Evolution; Eukaryotic Microorganisms



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Antioxidant; Medicinal Mushroom; High Performance Liquid Chromatography	3	0.92
Phytase; Phytic Acid; Aspergillus	3	1.07

## Biography

Ajar Nath Yadav working as **Deputy Director, RDC & IQAC; Dean PGS (officiating), Assistant Controller of Examinations** and Associate Professor & Head, Department Genetics, Plant Breeding and Biotechnology, at Eternal University, Baru Sahib, Himachal Pradesh, India. He has 10 years of teaching and 15 years of research experiences in the field of microbial biotechnology, microbial diversity and plant-microbe-interactions. He obtained his doctorate degree in Science (Microbial Biotechnology), jointly from Indian Agricultural Research Institute, New Delhi and Birla Institute of Technology, Mesra, Ranchi, India; M.Sc. (Biotechnology), from Bundelkhand University and B.Sc. (BCZ) from University of Allahabad, India. Dr. Yadav has 424 publications with h-index 100, i10-index 369, and 29860 citations (Google Scholar –on 07/07/2025). Dr. Yadav is editor of 38 books (Springer, Elsevier, Wiley, Taylor and Francis). Dr. Yadav published 133 research communications. In his credit one granted patent “Insecticidal formulation of novel strain of *Bacillus thuringiensis* AK 47”.

Dr. Yadav is listed in World's **Top 2% Scientists** in 2024, 2023 & 2022 (Stanford University, California, United States). **1<sup>st</sup> rank in the world** 2024- ScholarGPS, **1<sup>st</sup> rank in India**- Among private Universities (Microbiology)- World's Top 2% Scientists 2024, **1<sup>st</sup> Rank in India**- Agriculture (Agriculture & Forestry\*)-AD Scientific Index 2024. Dr. Yadav is listed in World's Top 2% Most Influential Scientists (in Single Year)- 2022. Dr. Yadav is University Best Scientist (**1<sup>st</sup> Rank**) 2020-2025 by AD Scientific Index. Dr. Yadav is among 1% leading scientist in world by 3<sup>rd</sup> edition of Research.com. Dr. Yadav received University Best Researcher Award-2022 & 2023 and University Best Teacher Award-2018 by Eternal University. Dr. Yadav is First Rank in University in SCOPUS (**275** publications with *h-index* of **52**; i10-index 139)- **30%** of University publications. Dr. Yadav received Young Scientist Award (NASI-Swarna Jayanti Purskar). Dr. Yadav has a long standing interest in teaching at the UG, PG and PhD level and is involved in taking courses in agriculture microbiology, bacteriology, biosystematics and biodiversity, environmental biotechnology, industrial microbiology, microbial biotechnology and techniques in microbiology and biotechnology. Dr. Yadav is currently handling two projects one funded by Department of Environments, Science & Technology (DEST), Shimla and one by HP Council for Science, Technology & Environment (HIMCOSTE). Guided 4 Ph.D. and 03 M.Sc. scholars and presently and he is guiding 03 scholars for PhD degree.

In his credit ~6700 microbes (Archaea, bacteria and fungi) isolated from diverse sources and ~550 potential and efficient microbes deposited at culture collection National Bureau of Agriculturally Important Microorganisms (NBAIM), Mau, India. He has deposited **2386** nucleotide sequences and **03** whole genome sequences (*Bacillus thuringiensis* AKS47, *Arthrobacter agilis* L77 and *Halolamina pelagica* CDK2) and **02** transcriptome to NCBI GenBank databases: in public domain. The niche-specific microbes from extreme environments were reported as specific bio-inoculants (Biofertilizers) for crops growing in normal and diverse abiotic stress conditions. Dr. Yadav and group have developed technology for screening of archaea for phosphorus solubilization for the first time.

Dr. Yadav is **Editor-in-Chief** for "Journal of Applied Biology and Biotechnology". Dr. Yadav is Editor/Associate Editor for Frontiers in Microbiology, Current Microbiology, Plant Science Today and Microbial Biosystems and handled 205 manuscripts. He has been serving as reviewer for **131** different national and international peer-reviewed journals and reviewed **495** manuscripts. He has the lifetime membership of Association of microbiologist in India, Indian Science Congress Council, India and National Academy of Sciences, India. Please visit <https://sites.google.com/view/ajarnathyadav/> for more details

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