

## Curriculum Vitae

### Dr. Divjot Kour

Assistant Professor  
Department of Microbiology  
Akal College of Basic Sciences  
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### Professional, Educational & Academic Qualification

Exam	Subjects	Institute/University	Year	%	Division	Rank
Ph.D.*	Biotechnology	Eternal University	2020	68%		-
MPhil	Microbiology	Shoolini University	2016	81%	I <sup>st</sup>	-
M.Sc.	Microbiology	Jammu University	2013	70%	I <sup>st</sup>	-
B.Sc.	Biotech, Chem, Zoo	Jammu University	2011	71%	I <sup>st</sup>	-
12 <sup>th</sup>	Science	JandK board	2008	77.6%	I <sup>st</sup>	5 <sup>th</sup>
10 <sup>th</sup>	Science	JandK board	2006	90%	I <sup>st</sup>	2 <sup>nd</sup>

\***Specializations:** Plant Microbes-Interaction

- Awards/Honors/ Distinctions/Peer Recognition : 03
- Research experience : 04
- Attended conferences/symposium : 07
- Paper presentation in conferences and Abstracts published : 14
- Memberships : 02

### Research Interest

1. Plant associated microbial diversity from different habitats
2. Plant Microbes-Interaction
3. Stress adaptive microbial communities and their role in stress mitigation

### Current Research

1. Development of Microbial biofertilizers and biopesticides for Sustainable Agriculture
2. Development for Microbial technologies for bioremediation for Sustainable Environment

### Ph.D. (Microbial Biotechnology)

**Thesis title:** Phosphate Solubilizing Microbes from Cereal Crops and Their Beneficial Applications in Plant Growth under Rainfed Conditions [**Supervisor Dr. Ajar Nath Yadav** Assistant Professor (Senior Scale), Department of Biotechnology Dr. K.S. Gill Akal College of Agriculture, Eternal University, Baru Sahib, Himachal Pradesh]

[**Registration:** 16/03/2016; **Submission:** 28/01/2020; **Awarded:** 04/08/2020]

### **Summary of Ph.D. Work**

Drought is very common abiotic stress worldwide in arid and semi-arid areas. It is among the most destructive abiotic stress affecting growth and productivity. Further, the plants also face the limitations of vital mineral, phosphorus. Stress adaptive and phosphorus solubilizing microbes in rhizospheric soil can help plants to combat drought conditions and overcome the problem of phosphorus unavailability to the plants. In the present study, stress adaptive and phosphorus solubilizing microbes were isolated from rhizosphere of different cereal and pseudo cereal crops growing in Baru Sahib, Himachal Pradesh. A total of 193 isolates were obtained from different cereal and pseudo cereal crops on different growth media. All 193 rhizospheric microbes were screened for their capability to solubilize phosphorus and tolerate drought conditions. Ninety eight drought adaptive and P-solubilizing microbial isolates were further screened for different plant growth promoting attributes of solubilization of zinc and potassium; production of siderophores, hydrogen cyanide, ammonia and different hydrolytic enzymes. On the basis of multifarious plant growth promoting attributes, 15 efficient drought adaptive and P-solubilizing strains were screened for production of IAA and ACC deaminase. The efficient strains were evaluated for plant growth promotion in wheat, foxtail millet and sorghum in different *in vitro* and *in vivo* experiments with different water regimes. The isolates efficiently enhanced the accumulation of different osmolytes, increased chlorophyll content, and decreased lipid peroxidation, enhanced the nutrient uptake and yield. The efficient strains were identified by 16S and 18S rRNA sequencing as *Pseudomonas gessardii*, *P. panacis*, *P. libanensis*, *P. azotoformans*, *Citrobacter* sp., *Streptomyces laurentii*, *Acinetobacter calcoaceticus*, *Serratia marcescens*, *Chryseobacterium arthrospiraerae* and *Penicillium* sp. The use of stress adaptive and P-solubilizing PGPMs as bioinoculants provide significant promise to deal with the challenges of sustainable agriculture in stressed environments.

**Publication from Ph.D. Thesis: 05** [Research: 03, Review: 02]

### **M. Phil (Microbiology)**

**Thesis title:** “Partial Characterization of Multidrug Resistant Bacterial Isolates Recovered from Urinary Tract Infections of Human Patients” under supervision of Dr. P.C. Sharma, Professor, Shoolini University of Biotechnology and Management Sciences, Solan, Himachal Pradesh

### **M.Sc. (Microbiology)**

**Thesis title:** “PCR-RFLP Based Molecular Characterization of Keratinophilic Fungi” under supervision of Dr. Sanjana Kaul, Associate Professor, School of Biotechnology, University of Jammu, Jammu

### **Awards/Honors/ Distinctions/Peer Recognition:**

1. **Young Scientist Award-2021:** Arab Society for Fungal Conservation Award, Egypt
2. **Best Research Scholar Award,** *In:* International Conference on Recent Advances in Agricultural, Environmental and Applied Sciences for Global Development held at Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, H.P. September 27-29, 2019
3. **Best papers presentation award,** *In:* International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, for paper Kaur T, Devi R, Negi R,

- Kour D**, Kumar S, Yadav AN (2022) Plant growth promotion of foxtail millet (*Setaria italica* L.) by novel and potential microbial consortium with multifunctional attributes. pp- 52
4. **Best papers presentation award**, In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, for paper Gabba D, **Kour D**, Yadav AN, Suyal DC, Singh N (2022) Psychrotrophic Phosphorus Solubilizing Bacteria of Himalayan Regions: Biodiversity and Role in Plant Growth Promotion of Cereal Crops. In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, pp- 51
  5. **Best papers presentation award**, In: International Student Symposium for paper Sharma B, Gabba D, **Kour D**, Yadav AN (2022) “Endophytic Microbes as Potential Bioresources for Agricultural and Environmental Sustainability” held at Akal University, Talwandi Sabo, Bathinda, 21-23 May, 2022
  6. **Best papers presentation award**, In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, for paper Negi R, Kaur T, Devi R, **Kour D**, Sheikh I, Tyagi V, Yadav AN (2022) First Report on Nitrogen-Fixing Endophytic Bacteria from Wild Wheat Relative *Aegilops kotschy* and their Role in Plant Growth Promotion. In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, pp- 57
  7. **Best papers presentation award**, In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, for paper Devi R, Kaur T, Negi R, **Kour D**, Yadav AN (2022) Synergistic Effect of Microbial Consortium of Mineral Solubilizing Microbes on Plant Growth of Oats (*Avena sativa*) Growing in Hilly Region of Himachal Pradesh. In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, pp- 46
  8. **Best papers presentation award**, In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, on paper entitled “Plant growth promotion of wheat (*Triticum aestivum* L.) by novel and potential microbial consortium with multifunctional attributes”. Kaur T, Devi R, **Kour D**, Kumar S, Yadav AN (2021) September 4-5, pp 40
  9. **Best papers presentation award**, In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, on paper entitled “Plant growth promotion and acquisition of nitrogen in barley (*Hordeum vulgare* L.) by nitrogen fixing endophytic bacteria *Erwinia persicina* EU-B1RT.R4”. Negi R, Kaur T, Devi R, **Kour D**, Yadav AN (2021) September 4-5, pp 42
  10. **Best papers presentation award**, In: National Conference on New Insights in Biological & Environmental Sciences, for paper entitled “Alleviation of drought stress in fox tail millet using drought tolerant rhizobacteria with multifarious plant growth promoting attributes, **Kour D**, Rana KL, Yadav AN, Dhaliwal HS, held at Eternal University, Baru Sahib, HP. May 24-25, 2019
  11. **Best papers presentation award**, In: International Conference on Recent Advances in Agricultural, Environmental and Applied Sciences for Global Development for paper entitled “Alleviation of drought stress in sorghum with drought adaptive and P-solubilizing plant growth promoting microbes”, **Kour D**, Rana KL, Kaur T, Devi R, Negi C, Sheikh I, Yadav

AN, held at Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, H.P. September 27-29, 2019

12. **Best papers presentation award**, *In*: 2<sup>nd</sup> Himachal Pradesh Science Congress, for paper entitled “Molecular diversity and functional attributes of phosphorus solubilizing microbes isolated from rhizosphere of different cereal crops growing in the Divine valley of Baru Sahib” authors by **Kour D**, Rana KL, Yadav AN, Kumar V, Dhaliwal HS, held Shimla. 2017
13. **Best papers presentation award**, *In*: International conferences on Advances in Science and Technology, for paper entitled “Role of stress tolerant phosphorus solubilizing microbes associated with cereals and pseudo cereals in extenuating drought stress” authors by **Kour D**, Rana KL, Yadav AN, Kumar V, Dhaliwal HS, held Chandigarh. 16-18 March, 2018
14. **Best papers presentation award**, *In*: 3<sup>rd</sup> Himachal Pradesh Science Congress, for paper entitled “Endophytic Microbes from Cereal Crops and Their Potential Applications for Plant Growth Promotion” authors by Rana KL, **Kour D**, Yadav AN, Dhaliwal HS, IIT Mandi. October 22-23, 2018
15. **Best papers presentation award**, *In*: National Conference on Advances in Food Science and Technology, for paper entitled “Drought tolerant phosphorus solubilizing microbes: Diversity and biotechnological applications for crops growing under rainfed conditions” authors by **Kour D**, Rana KL, Verma P, Yadav AN, Kumar V, Dhaliwal HS, held at Eternal University, Baru Sahib, HP. March 24-25, 2017

**Teaching Experience:**

Employer	Post held	Pay Scale	Period of employment	Total Experiences	Nature of duties
Eternal University	*Assistant Professor	15600-39100 (6000)	05-11-2021 to till date	1 year 5 months	Teaching, Research & Extension

**Subjects Teaching:  
Graduation**

SN	Subject	Credit	Course
1.	Industrial Microbiology (MICRO-221)	3+1	B.Sc. (Hons) Microbiology, II-Sem
2.	Microbial Genetics (MICRO-312)	3+0	B.Sc. (Hons) Microbiology, V-Sem
3.	Genomics and Proteomics (MICRO-322)	3+0	B.Sc. (Hons) Microbiology, VI-Sem
4.	Bacteriology	3+0	B.Sc. (Hons) Microbiology, III-Sem
5.	Soil Microbiology and Bioremediation	3+1	B.Sc. (Hons) Microbiology, IV-Sem

## Post-Graduation

SN	Subject	Credit	Course
1.	Virology and Mycology (MICRO-512)	3+0	M.Sc. Microbiology, I-Sem
2.	Prokaryotic Microbiology (MICRO-521)	3+0	M.Sc. Microbiology, II-Sem
3.	Environmental Microbiology (MICRO-525)	3+0	M.Sc. Microbiology, II-Sem
4.	Applied Microbiology Techniques (MICRO-528)	0+3	M.Sc. Microbiology, II-Sem
5.	Industrial Microbiology (MICRO-531)	3+0	M.Sc. Microbiology, III-Sem
6.	Recent Advances in Food and Industrial Microbiology (MICRO-534)	2+0	M.Sc. Microbiology, III-Sem

## Ph. D.

SN	Subject	Credit	Course
1.	Recent Advances in Applied Microbiology (MICRO-603)	3+0	Ph.D. Microbiology, II-Sem

## Assigned work at Eternal University

- Member, Registration and Certificate Committee, Workshop (March, 2021)
- Member, Publication Committee, National Conference (2021)
- Member, Anchoring Committee, National Conference (2021)
- Member, Committee to relook into hostel rules (2022)
- Member, Stage Committee, National Science Day (2022)
- Member, Skit Competition Committee, National Science Day (2022)
- Member, Anchoring Committee, International Conference (2022)
- Member, Publication Committee, International Conference (2022)
- Member, Souvenir and Abstract Committee, National Conference (2022)
- Member, Technical Session Committee, National Conference (2022)
- Member, Stage Handling, Decoration and Cultural Committee, National Conference (2022)
- Member, Skit and Cultural Committee, National Science Day (2023)
- Member, Disciplinary Committee, Kisan Mela (2023)
- Member, Alumni Committee, Convocation (2023)
- Member, Anti-ragging Committee, Eternal University
- Member, Finance Committee, Department of Microbiology
- Member, Academic Committee, Department of Microbiology
- Co-ordinator, Sports and Co-curricular activities, Department of Microbiology

## Administrative Experiences

- Warden, New Girls Hostel, Eternal University (2020-2021)

**Research Experience: 03 Years 10 Months**

Employer	Post held	Pay Scale	Period of employment	Total Experience	Nature of duties
Eternal University, Baru Sahib, Sirmour, Himachal Pradesh	Assistant Professor	15600-39100 (6000)	05-11-2021 to till date	1 year 5 month	Teaching & Research
Biotechnology, Eternal University, Baru Sahib	Research Associate	20000	05/10/2020 to 05/10/2021	01 Year	Research*
Biotechnology, Eternal University, Baru Sahib	Project Assistant	15000	01/05/2019 to 01/10/2020	01Year 05 Months	Research**

**M.Sc. Supervisor: 02**

Degree	Pursuing
M.Sc.	01

SN	Name	Year	Status	Degree	Title of M.Sc. Thesis	Publications
1.	Ms. Deepika Gabba BS20MSMB002	2022	Completed	M.Sc.	Characterization and Evaluation of Phosphate Solubilizing Bacteria Associated with Wheat ( <i>Triticum Aestivum</i> ) from Keylong Region in Great Himalayas	01 Book chapter 05 Research communications 03 Conferences
2.	Ms. Babita Sharma BS21MSMB001		Pursuing	M.Sc.	Exploration of Beneficial Endophytic Microbes Associated with Medicinal Plants Growing Around Baru Sahib	03 Research communications 01 Conference

**Research publications:**

Publication	Published	Accepted
Research/review papers	35	-
Papers published in conference proceeding	06	-
Books	05	-
Book chapters	49	-
Popular/Editorials	12	-
Research Communication	31	-
Short communications	03	-
	<b>141</b>	-

Google Citations [Total citation: 4526; h-index-38; i10-index: 71]

**Citations:**

Google Scholar	
Citations	4748
h-index	39
i10-index	74

**Details of Journals/ Publishers and Impact Factor**

SN	Name Journal	Publisher	IF
1.	Chemosphere	Elsevier	7.086
2.	Food Bioscience	Elsevier	5.3
3.	Microbial Ecology	Springer	4.552
4.	Environmental Science and Pollution Research	Springer	4.223
5.	Pedosphere	Elsevier	3.911
6.	Heliyon	Elsevier	3.776
7.	Journal of Applied Microbiology	Wiley	3.772
8.	Current Microbiology	Springer	2.29
9.	Antonie van Leeuwenhoek	Springer	2.271
10.	Folia Microbiologica	Springer	2.099
11.	Brazilian Journal of Microbiology	Springer	2.11
12.	Biologia	Springer	1.350
13.	Cereal Research Communication	Springer	1.24
14.	PNASI Section B: Biological Sciences	Springer	0.836

**AD Scientific Ranking for Scientist (by H-index)**

In University	Third Rank
In India	1890
In Asia	17316

AD Scientific Ranking for Scientist <https://www.adscientificindex.com/scientist.php?id=350989>

**Editor/Reviewer Responsibilities and Reorganization**

Review Editor	: 01
Guest Editor	: 02
Reviewers	: 06

**Research/Review articles: 35**

1. **Kour D**, AN Yadav (2023) Alleviation of cold stress in wheat with psychrotrophic phosphorus solubilizing *Acinetobacter rhizosphaerae* EU-KL44. Brazilian Journal of Microbiology. 54:371–383 <https://doi.org/10.1007/s42770-023-00913-7>
2. Kaur T, Devi R, Kumar S, **Kour D**, Yadav AN (2023) Plant growth promotion of pearl millet (*Pennisetum glaucum* L.) by novel bacterial consortium with multifunctional attributes. Biologia, 78: 621–631 <https://doi.org/10.1007/s11756-022-01291-5> [ISSN: 0006-3088; Springer] [**IF-1.35**]

3. Rana KL, **Kour D**, Kaur T, Negi R, Devi R, Yadav N, Rai PK, Singh S, Rai AK, Yadav A, Sayyed RZ, Yadav AN (2023) Endophytic nitrogen-fixing bacteria: Untapped treasurer for agricultural sustainability. *Journal of Applied Biology and Biotechnology*, 11(2), 75-93 DOI: 10.7324/JABB.2023.110207
4. **Kour D**, Khan SS, Kour H, Kaur T, Devi R, Rai PK, Judy C, McQuestion C, Bianchi A, Spells S (2022) Microbe-mediated bioremediation: Current research and future challenges. *Journal of Applied Biology and Biotechnology* 10:6-24
5. Negi R, Kaur T, Devi R, **Kour D**, Yadav AN (2022) Assessment of nitrogen-fixing endophytic and mineral solubilizing rhizospheric bacteria as multifunctional microbial consortium for growth promotion of wheat and wild wheat relative *Aegilops kotschy* *Heliyon* 8:e12579 doi:https://doi.org/10.1016/j.heliyon.2022.e12579
6. Kour H, Khan SS, **Kour D**, Rasool S, Sharma YP, Rai PK, Singh S, Chaubey KK, Rai AK, Yadav AN (2022). Microbes mediated plastic degradation: A sustainable approach for environmental sustainability. *Journal of Applied Biology and Biotechnology* DOI: 10.7324/JABB.2023.110515 [ISSN: 2347-212X; Open Science Publishers LLP] [**CiteScore-1.0**]
7. **Kour D**, Yadav AN (2022) Mitigation of low temperature stress and plant growth promotion in barley (*Hordeum vulgare* L.) by inoculation of psychrotrophic P-solubilizing *Serratia nematodiphila* EU-PW75. *Cereal Research Communications* 50: 1055–1063 doi:10.1007/s42976-022-00324-
8. **Kour D**, Yadav AN (2022) Bacterial Mitigation of Drought Stress in Plants: Current Perspectives and Future Challenges. *Current Microbiology* 79:1-19 doi:10.1007/s00284-022-02939-w
9. Kour H, **Kour D\***, Kour S, Singh S, Hashmi SAJ, Yadav AN<sup>©</sup>, Kumar K, Sharma YS, Ahluwalia AS (2022) Bioactive compounds from mushrooms: An emerging bioresource of food and nutraceuticals *Food Bioscience*:102124 doi:https://doi.org/10.1016/j.fbio.2022.10212
10. Singh M, Jayant K , Bhutani S, Mehra A , Kaur T, **Kour D**, Suyal DC, Singh S, Rai AK, Yadav AN\* (2022) Bioremediation—sustainable tool for diverse contaminants management: Current scenario and future aspects. *Journal of Applied Biology and Biotechnology* 10(2): 48-63
11. Suyal DC, Joshi D, Kumar S, Bhatt P, Narayan A, Giri K, Singh M, Soni R, Kumar R, Yadav A, Devi R, Kaur T, **Kour D**, Yadav AN<sup>©</sup> (2021) Himalayan Microbiomes for Agro-Environmental Sustainability: Current Perspectives and Future Challenges. **Microbial Ecology**, https://doi.org/10.1007/s00248-021-01849-x [Springer; ISSN: 1432-184X] [**IF: 4.552**]
12. Devi R, Kaur T, **Kour D**, Yadav A, Yadav AN<sup>©</sup>, Suman A, Ahluwalia AS, Saxena AK (2022) Minerals solubilizing and mobilizing microbiomes: A sustainable approaches for managing minerals deficiency in agricultural soil. *Journal of Applied Microbiology*. DOI: 10.1111/jam.15627 [Wiley; ISSN: 1365-2672] [**IF-3.772**]



13. Yadav AN<sup>®</sup>, **Kour D**, Kaur T, Devi R, Yadav A (2022) Endophytic fungal communities and their biotechnological implications for agro-environmental sustainability. *Folia Microbiologica*. 67(2): 203-232, <https://doi.org/10.1007/s12223-021-00939-0> [Springer; ISSN: 1874-9356] **[IF: 2.099]**
14. Devi R, Kaur T, **Kour D**, Yadav AN, Suman A (2022) Potential applications of mineral solubilizing rhizospheric and nitrogen fixing endophytic bacteria as microbial consortium for the growth promotion of chilli (*Capsicum annum* L.). *Biologia*, 77: 2933–2943 <https://doi.org/10.1007/s11756-022-01127-2> [Springer; ISSN: 0006-3088] **[IF-1.35]**
15. Kaur T, Devi R, Kumar S, Sheikh I, **Kour D**, Yadav AN<sup>®</sup> (2022) Microbial consortium with nitrogen fixing and mineral solubilizing attributes for growth of barley (*Hordeum vulgare* L.). *Heliyon* 8 (4). doi:10.1016/j.heliyon.2022.e09326 [Elsevier; ISSN: 2405-8440] **[SNIP- 1.079; CiteScore- 2.1]**
16. **Kour D**, Khan SS, Kaur T, Kour H, Singh G, Yadav A, Yadav AN<sup>®</sup> (2022) Drought adaptive microbes as bioinoculants for the horticultural crops. *Heliyon*, <https://doi.org/10.1016/j.heliyon.2022.e09493> [Elsevier; ISSN: 2405-8440] **[IF-3.7, SNIP- 1.079; CiteScore- 2.1]**
17. Devi R, Kaur T, **Kour D**, Mohan R, Rai PK, Rai AK, Kumar M, Yadav AN<sup>®</sup> (2022) Microbes-mediated alleviation of heavy metal stress in crops: Current research and future challenges. *Journal of Applied Biology and Biotechnology*, 10(2): 91-103, <https://doi.org/10.7324/JABB.2022.10s110>, [ISSN: 2347-212X; Open Science Publishers-Scopus] (SNIP-0.717; **CiteScore- 0.9**)
18. Kaur T, **Kour D**, Pericak O, Olson C, Mohan R, Yadav A, Mishra S, Kumar M, Rai RK, Yadav AN<sup>®</sup> (2022) Structural and functional diversity of plant growth promoting microbiomes for agricultural sustainability. *Journal of Applied Biology and Biotechnology*, 10:70-89 [ISSN: 2347-212X; Open Science Publishers-Scopus] (SNIP-0.717; **CiteScore- 0.9**)
19. Anand K, Pandey GK, Kaur T, Pericak O, Olson C, Mohan R, Akansha K, Yadav A, Devi R, **Kour D**, Rai AK, Kumar M, Yadav AN (2022) Arbuscular mycorrhizal fungi as a potential biofertilizers for agricultural sustainability. *Journal of Applied Biology and Biotechnology*, 10:90-107 [ISSN: 2347-212X; Open Science Publishers-Scopus] **(SNIP-0.717; CiteScore- 0.5)**
20. **Kour D**, Rana KL, Kaur T, Yadav N, Yadav AN, Kumar M, Kumar V, Dhaliwal HS, and Saxena AK (2021) Biodiversity, current developments and potential biotechnological applications of phosphorus-solubilizing and-mobilizing microbes: A review. *Pedosphere* 31 (1), 43-75 [Elsevier ISSN:1002-0160] **(IF- 3.736)**
21. **Kour D**, Kaur T, Devi R, Yadav A, Singh M, Joshi D, Singh J, Suyal DC, Kumar A, Rajput VD, Yadav AN, Singh K, Singh J, Sayyed RZ, Arora NK, Saxena AK (2021) Beneficial microbiomes for bioremediation of diverse contaminated environments for environmental sustainability: Present status and future challenges. *Environmental Science and Pollution Research*- 28:24917–24939 <https://doi.org/10.1007/s11356-021-13252-7> [Springer; ISSN: 1614-7499] **(IF: 4.223)**

22. Kumar A, Yadav AN, Mondal R, Kour D, Subrahmanyam G, Shabnam AA et al. (2021) Myco-remediation: A mechanistic understanding of contaminants alleviation from natural environment and future prospect. *Chemosphere* 284: 1313125 <https://doi.org/10.1016/j.chemosphere.2021.131325> (IF- 7.086)
23. Yadav AN, **Kour D**, Kaur T, Devi R, Yadav A, Dikilitas M, Abdel-Azeem AM, Ahluwalia AS, Saxena AK (2021) Biodiversity, and biotechnological contribution of beneficial soil microbiomes for nutrient cycling, plant growth improvement and nutrient uptake. *Biocatalysis and Agricultural Biotechnology*, 33: 102009, <https://doi.org/10.1016/j.bcab.2021.102009> [ISSN:18 78-8181; Elsevier] [CiteScore- 2.8]
24. Rana KL, **Kour D\***, Kaur T, Devi R, Yadav AN (2020) Bioprospecting of endophytic bacteria from Indian Himalayas and their role in plant growth promotion of maize (*Zea mays* L.). *Journal of Applied Biology and Biotechnology* 9(03) 41-50.
25. Rana KL, **Kour D\***, Kaur T, Devi R, Yadav AN, Yadav N, Dhaliwal HS, Saxena AK (2020), Endophytic microbes: Biodiversity, plant growth-promoting mechanisms and potential applications for agricultural sustainability. *Antonie van Leeuwenhoek*. 113:1075-1107, <https://doi.org/10.1007/s10482-020-01429-y> [ISSN: 1572-9699; Springer (IF: 1.934)]
26. Rana KL, **Kour D\***, Kaur T, Sheikh I, Yadav AN, Kumar V, Suman A, Dhaliwal HS (2020). Endophytic microbes from diverse wheat genotypes and their potential biotechnological applications in plant growth promotion and nutrient uptake. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, 90: 969-979 <https://doi.org/10.1007/s40011-020-01168-0>, [ISSN: 0369-8211; Springer]
27. **Kour D**, Rana KL, Sheikh I, Kumar V, Yadav AN, Dhaliwal HS, Saxena AK (2019) Alleviation of drought stress and plant growth promotion by *Pseudomonas libanensis* EU-LWNA-33, a drought-adaptive phosphorus-solubilizing bacterium. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences* 90: 785-795 <https://doi.org/10.1007/s40011-019-01151-4> [ISSN: 0369-8211; Springer]
28. **Kour D**, Rana KL, Yadav AN, Sheikh I, Kumar V, Dhaliwal HS, Saxena AK (2019) Amelioration of drought stress in Foxtail millet (*Setaria italica* L.) by P-solubilizing drought-tolerant microbes with multifarious plant growth promoting attributes *Environmental Sustainability* 3:23-34 [ISSN: 2523-8922; Springer]
29. **Kour D**, Rana KL, Kaur T, Sheikh I, Yadav AN, Kumar V, Dhaliwal HS, Saxena AK (2019) Microbe-mediated alleviation of drought stress and acquisition of phosphorus in great millet (*Sorghum bicolor* L.) by drought-adaptive and phosphorus-solubilizing microbes *Biocatalysis and Agricultural Biotechnology* [ISSN: 1878-8181; Elsevier] (Cite Score: 2.8)
30. **Kour D**, Rana KL, Yadav AN, Yadav N, Kumar M, Kumar V, Vyas P, Dhaliwal HS, Saxena AK (2019) Microbial biofertilizers: Bioresources and eco-friendly technologies for agricultural and environmental sustainability. *Biocatalysis and Agricultural Biotechnology*, 23: 1-11 <https://doi.org/10.1016/j.bcab.2019.101487> [ISSN: 1878-8181 ; Elsevier] (Cite Score: 2.8)

31. **Kour D**, Rana KL, Yadav N, Yadav AN (2019). Bioprospecting of phosphorus solubilizing bacteria from Renuka Lake Ecosystems, Lesser Himalayas *Journal of Applied Biology and Biotechnology*. 7(5):1-6 [ISSN: 2347-212X; Open Science Publishers]
32. Rana KL, **Kour D**, Yadav AN (2018). Endophytic Microbiomes: Biodiversity, Ecological Significance and Biotechnological Applications. *Research Journal of Biotechnology*.14:1-21 [ISSN: 0973-6263] **(IF-0.279)**
33. Devi R, Kaur T, **Kour D\***, Rana KL, Yadav A, Yadav AN (2020) Beneficial fungal communities from different habitats and their roles in plant growth promotion and soil health. *Microbial Biosystems* 5:21-47. doi:10.21608/mb.2020.32802.1016
34. Kumar M, **Kour D**, Yadav AN, Saxena R, Rai PK, Jyoti A, Tomar RS (2019). Biodiversity of methylotrophic microbial communities and their potential role in mitigation of abiotic stresses in plants. *Biologia* 74:287-308 [ISSN:1336-9563; Springer] **(IF-1.35)**
35. Yadav AN, Verma P, **Kour D**, Rana KL, Kumar V, Singh B, Chuahan VS, Sugitha TCK, Saxena AK, Dhaliwal HS (2017). Plant Microbiomes and its Beneficial Multifunctional Plant Growth Promoting Attributes. *International Journal of Environmental Sciences & Natural Resources*. 3(1):1-18. DOI:10.19080/IJESNR.2017.03.555601 [ISSN: 2572-1119; Juniper publishers, USA]

**Papers published in conference proceedings: 06**

1. **Kour D**, Yadav AN (2022) Drought-Adaptive Phosphorus Solubilizing Microbes for Agricultural Sustainability, In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, pp- 37-40
2. Kaur T, Devi R, Negi R, **Kour D**, Kumar S, Yadav AN (2022) Mighty Microbes: A Potential Link to Agricultural Sustainability, In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, pp- 32-36
3. Devi R, Kaur T, Negi R, **Kour D**, Yadav AN (2022) Mineral Solubilizing Microbes for Plant Growth Promotion and Nutrient Uptake, In: International Conference on “Water, Agriculture, Dairy and Food Processing for Sustainable Economy, pp- 21-25
4. Kour H, **Kour D**, Yadav AN (2021) Macrofungi for environmental sustainability. In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, University Corporate Resource Centre, Eternal University, pp 18-21.
5. Yadav AN, **Kour D**, Kaur T (2021) Novel and potential microbial consortium as bio-inoculants for organic farming in Himachal Pradesh, University Corporate Resource Centre, Eternal University, pp 24-26.
6. **Kour D**, Yadav AN (2021) Phosphorus solubilizing and mobilizing microbiomes for agricultural sustainability, In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, University Corporate Resource Centre, Eternal University, pp 32-35.

### Popular articles/Editorial: 12

7. **Kour D**, Yadav N, Yadav AN (2023) Endophytic Fungi as Emerging Bioresources for Bioactive Compounds for Sustainable Development. *Journal of Applied Biology and Biotechnology* 11:i-iii doi: 10.7324/JABB.2023.111ed
8. Yadav AN, Suyal DC, **Kour D**, Rajput VD, Rastegari AA, Singh J (2022) Bioremediation and Waste Management for Environmental Sustainability. *Journal of Applied Biology & Biotechnology* 10(2.2):1-6, [ISSN: 2347-212X; Open Science Publishers-Scopus] (**SNIP-0.717; CiteScore- 0.8**)
9. Yadav AN, **Kour D** (2022). Stress Adaptive Phosphorus Solubilizing Microbiomes for Agricultural Sustainability. *Journal of Applied Biology & Biotechnology* 10(6):1-3
10. Yadav AN, **Kour D**, Abdel-Azeem AM, Dikilitas M, Hesham AE, Ahluwalia AS (2022). Microbes for Agricultural and Environmental Sustainability. *Journal of Applied Biology & Biotechnology* 10(2.1):1-6, [ISSN: 2347-212X; Open Science Publishers-Scopus] (**SNIP-0.717; CiteScore- 0.8**)
11. Yadav AN, **Kour D**, Ahluwalia AS (2021) Soil and phytomicrobiomes for plant growth and soil fertility. *Plant Science Today* 8(sp1):1-5 <https://doi.org/10.14719/pst.2021.8.sp11.1523> (**SNIP-0.717; CiteScore- 0.9**)
12. Kaur T, Devi R, **Kour D**, Kumar S, Yadav AN (2021). Microbial consortium: Friend or Foe? *EU Voice*, 6: 49-50
13. **Kour D**, Kaur T, Devi R, Yadav AN (2021). Beneficial Microbiomes for Amelioration of Drought Stress in Plants. *EU Voice*, 6: 53-54
14. Devi R, **Kour D**, Kaur T, Yadav AN (2021). Mineral Solubilizing Microbes for Plant Growth and Soil Health. *EU Voice*, 6: 77-79
15. Kaur T, Devi R, Rana KL, **Kour D**, Yadav AN (2019). Microbes with multifarious plant growth promoting attributes for sustainable agriculture. *EU Voice*, 5:11-13
16. **Kour D**, Rana KL, Yadav AN (2018). Drought Stress in Plants and their Mitigation by Soil Microbiomes. *EU Voice*,4:1-2
17. Rana KL, **Kour D**, Yadav AN (2018). Endophytic Microbes and their Biotechnological Applications. *EU Voice*,4:3-4
18. Yadav N, **Kour D**, Yadav AN (2018). Microbiomes of freshwater lake ecosystems. *Journal of Microbiology and Experimentation* 6(6):245–248. [ISSN:2373-437X; MedCrave Group]

### Short communications: 03

19. Kaur T, Devi R, Negi R, **Kour D**, Yadav AN (2023). Mutualistic effect of macronutrients availing microbes on the plant growth promotion of finger millet (*Eleusine coracana* L.). *Current Microbiology* 80:186 <https://doi.org/10.1007/s00284-023-03255-7>
20. Negi R, Kaur T, Devi R, **Kour D**, Sheikh I, Tyagi V, Yadav AN (2022). First report on *Rahnella* sp. strain EU-A3SNfb, a plant growth promoting endophytic bacterium from wild wheat relative *Aegilops kotschyi*. *National Academy Science Letters* <https://doi.org/10.1007/s40009-022-01139-1>
21. Kaur T, Devi R, Kumar S, **Kour D**, Yadav AN (2022). Synergistic effect of endophytic and rhizospheric microbes for plant growth promotion of foxtail millet (*Setaria italica* L.). *National Academy Science Letters* <https://doi.org/10.1007/s40009-022-01190-y>

## 22. Books: 05

23. Yadav AN, **Kour D**, Yadav A, Kumar A, Saxena AK (2022) Microbial Technology for Climate Resilient Agriculture - Current Status and Future Challenges. Springer Nature, Singapore
24. Yadav AN, Rastegari AA, Yadav N, **Kour D** (2020). Advances in Plant Microbiome and Sustainable Agriculture: Functional Annotation and Future Challenges. Springer, Singapore [ISBN: 978-981-15-3204-7], <https://doi.org/10.1007/978-981-15-3204-7>
25. Yadav AN, Rastegari AA, Yadav N, **Kour D** (2020). Advances in Plant Microbiome and Sustainable Agriculture: Diversity and Biotechnological Applications. Springer, Singapore [ISBN: 978-981-15-3208-5], <https://doi.org/10.1007/978-981-15-3208-5>
26. Yadav AN, 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: 978-3-030-48474-3], <https://doi.org/10.1007/978-3-030-48474-3>
27. Yadav AN, 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 [ISBN: 978-3-030-45971-0], <https://doi.org/10.1007/978-3-030-45971-0>

## Book Chapters (Springer, Elsevier, Wiley, Taylor & Francis books): 47

28. Kour H, Khan SS, **Kour D**, Singh S, Kumari S, Kaur M, Khan RT, **Yadav AN** (2022) Nanotechnologies for microbial inoculants as biofertilizers in the horticulture. In Seymen M, Kurtar E, Erdinc C, Kumar A (eds) Sustainable Horticulture- Microbial Inoculants and Stress Interaction, Elsevier, Amsterdam, pp 201-261 <https://doi.org/10.1016/B978-0-323-91861-9.00007-0> [ISBN: 9780323918619]
29. Kaur T, **Kour D**, Yadav AN (2022). Trends of Applied Microbiology for a Sustainable Economy: An Introduction. In: Soni R, Suyal DC, Yadav AN, Goel R (Eds) Trends of Applied Microbiology for a Sustainable Economy, Elsevier, Amsterdam, <https://doi.org/10.1016/B978-0-323-91595-3.00003-3> [ISBN: 9780323915953]
30. Gupta S, **Kour D**, Kapoor A, Ahluwalia AS, Ahluwalia KK, Sidhu MC (2022). Livelihood Challenges of Domestic Workers during Covid-19. In Sobti RC, Sobti V (eds) Frontline Workers and Women as Warriors in the Covid-19 Pandemic <https://doi.org/10.4324/9781003324515> [ISBN- 9781003324515]
31. Yadav AN, Kaur T, Devi R, **Kour D**, Yadav N, Abdel-Azeem AM, Yadav A, Ahluwalia AS (2021) Bioprospecting for Biomolecules from Industrially Important Fungi: Current Research and Future Prospects. In: Abdel-Azeem AM, Yadav AN, Yadav N (Eds) Industrially Important Fungi for Sustainable Development, Volume 2: Bioprospecting for Biomolecules Biodiversity and Ecological Perspective, Springer, Cham, pp 767-791, [https://doi.org/10.1007/978-3-030-85603-8\\_23](https://doi.org/10.1007/978-3-030-85603-8_23)
32. Yadav AN, Kaur T, **Kour D**, Devi R, Guleria G, Negi R, Yadav A, Ahluwalia AS (2021) Functional Annotation and Biotechnological Applications of Soil Microbiomes: Current Research and Future Challenges. In: Yadav AN (ed) Soil Microbiomes for Sustainable

- Agriculture: Functional Annotation. Springer International Publishing, Cham, pp 605-634. [https://doi.org/10.1007/978-3-030-73507-4\\_19](https://doi.org/10.1007/978-3-030-73507-4_19)
33. Kour H, Kour S, Sharma Y, Singh S, Sharma I, **Kour D**, Yadav AN (2021) Bioprospecting of Industrially Important Mushrooms. In: Abdel-Azeem AM, Yadav AN, Yadav N, Sharma M (eds) Industrially Important Fungi for Sustainable Development: Volume 2: Bioprospecting for Biomolecules. Springer International Publishing, Cham, pp 679-716. doi:10.1007/978-3-030-85603-8\_20
  34. Yadav AN, Kaur T, Devi R, **Kour D**, Yadav A, Yadav PK, Zameer F, Dikilitas M, Abdel-Azeem AM, Ahluwalia AS (2021). Environmental and Industrial Perspective of Beneficial Fungal Communities: Current Research and Future Challenges. In: **Yadav AN** (ed). Recent Trends in Mycological Research, Volume 2: Environmental and Industrial Perspective, Springer International Publishing, Switzerland, pp 497-517. [https://doi.org/10.1007/978-3-030-68260-6\\_18](https://doi.org/10.1007/978-3-030-68260-6_18)
  35. Yadav AN, Kaur T, Devi R, **Kour D**, Yadav A, Dikilitas M, Usmani Z, Yadav N, Abdel-Azeem AM, Ahluwalia AS (2021) Biodiversity and Biotechnological Applications of Industrially Important Fungi: Current Research and Future Prospects. In: Abdel-Azeem AM, Yadav AN, Yadav N (Eds) Industrially Important Fungi for Sustainable Development, Vol-1: Biodiversity and Ecological Perspective, Springer, Cham, pp. 541-572, [https://doi.org/10.1007/978-3-030-67561-5\\_17](https://doi.org/10.1007/978-3-030-67561-5_17)
  36. Hesham AE-L, Kaur T, Devi R, **Kour D**, Prasad S, Yadav N et al. (2021) Current Trends in Microbial Biotechnology for Agricultural Sustainability: Conclusion and Future Challenges. In: Yadav AN, Singh J, Singh C, Yadav N (eds) Current Trends in Microbial Biotechnology for Sustainable Agriculture. Springer Singapore, Singapore, pp 555-572. doi:10.1007/978-981-15-6949-4\_22
  37. Kaur T, Devi R, Yadav A, Rana KL, **Kour D**, Suyal DC, Yadav AN, Kumar M, Rai PK, Upadhyay SK, Yadav N (2021), Microbial Diversity, Techniques of Analysis, and their Functional Roles for Agricultural Sustainability. In: Dubey SK and Verma SK (Eds) Plant, Soil and Microbes in Tropical Ecosystems. Springer, Singapore
  38. Kaur T, Devi R, **Kour D**, Yadav A, Yadav AN (2020) Soil Microbiomes: Fundamental, Biodiversity, current Research, and Future Challenges. In: Yadav AN (Ed). Soil Microbiomes for Sustainable Agriculture, Vol-1: Diversity Perspective, Springer, Switzerland
  39. Kaur T, Devi R, **Kour D**, Yadav N, Prasad S, Singh A, Negi P, Yadav AN (2020) Advances in Microbial Bioresources for Sustainable Biofuels Production: Current Research and Future Challenges. In: Yadav AN, Rastegari AA, Yadav N, Gaur R (Eds). Biofuels Production–Sustainability and Advances in Microbial Bioresources. Springer International Publishing, Switzerland
  40. Hesham AE-L, Kaur T, Devi R, **Kour D**, Yadav A, Prasad S, Singh C, Singh J, Yadav AN (2020) Current Trends in Microbial Biotechnology for Agricultural Sustainability: Current Research and Future Challenges. In: Yadav AN, Singh J, Singh C, Yadav N (Eds), Current Trends in Microbial Biotechnology for Sustainable Agriculture. Springer, Singapore
  41. Yadav AN, Kaur T, Devi R, **Kour D**, Yadav N (2020) Biodiversity and Biotechnological Applications of Extremophilic Microbiomes: Current Research and Future Challenges. In:



Yadav AN, Rastegari AA, Yadav N (Eds). Microbiomes of Extreme Environments: vol-1: Biodiversity and Biotechnological Applications. CRC Press, Taylor & Francis Group, USA

42. Yadav AN, **Kour D**, Kaur T, Devi R, Yadav N, (2020) Functional Annotation of Agriculturally Important Fungi for Crop Protection: Current Research and Future Challenges. In: Yadav AN, Mishra S, Yadav N, **Kour D**, Kumar A (Eds), Agriculturally Important Fungi for Sustainable Agriculture, Volume 1: Perspective for Diversity and Crop Productivity, Springer, Cham
43. Kaur T, Rana KL, **Kour D**, Sheikh I, Yadav N, Kumar V, Yadav AN, Dhaliwal HS, Saxena AK (2020) Microbe-mediated biofortification for micronutrients: Present status and future challenges. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Perspectives for Human Health, Elsevier, Amsterdam, pp. 1-17, <https://doi.org/10.1016/B978-0-12-820528-0.00002-8> (SCOPUS)
44. Yadav AN, **Kour D**, Kaur T, Devi R, Yadav N, (2020) Agriculturally Important Fungi for Crop Productivity: Current Research and Future Challenges. In: Yadav AN, Mishra S, Yadav N, Kour D, Kumar A (Eds) Agriculturally Important Fungi for Sustainable Agriculture, Volume 1: Perspective for Diversity and Crop Productivity, Springer, Cham, pp 275-286 [https://doi.org/10.1007/978-3-030-45971-0\\_12](https://doi.org/10.1007/978-3-030-45971-0_12)
45. **Kour D**, Kaur T, Fahliyani SA, Rastegari AA, Yadav N, Yadav AN (2020) Microbial biofilms in the human: Diversity and potentials significances in health and disease. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Perspectives for Human Health, Elsevier, Amsterdam, pp. 89-124, <https://doi.org/10.1016/B978-0-12-820528-0.00008-9> (SCOPUS)
46. Devi R, Kaur T, Guleria G, Rana KL, **Kour D**, Yadav N, Yadav AN, Saxena AK (2020) Fungal secondary metabolites and their biotechnological applications for human health. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Perspectives for Human Health, Elsevier, Amsterdam, pp. 147-162, <https://doi.org/10.1016/B978-0-12-820528-0.00010-7> (SCOPUS)
47. Yadav AN, **Kour D**, Kaur T, Devi R, Guleria G, Rana KL, Yadav N, Rastegari AA (2020) Microbial biotechnology for sustainable biomedicine systems: Current research and future challenges, In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Perspectives for Human Health, Elsevier, Amsterdam, pp. 276-292, <https://doi.org/10.1016/B978-0-12-820528-0.00020-X> (SCOPUS)
48. Rai PK, Singh M, Anand K, Saurabhj S, Kaur T, **Kour D**, Yadav AN, Kumar M (2020) Role and Potential Applications of Plant Growth Promotion Rhizobacteria for Sustainable Agriculture. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives, Elsevier, Amsterdam, pp. 49-60, <https://doi.org/10.1016/B978-0-12-820526-6.00004-X> (SCOPUS)

49. Rana KL, **Kour D**, Kaur T, Devi R, Yadav N, Rastegari AA, Kumar M, Yadav AN (2020) Biodiversity, phylogenetic profiling and mechanisms of colonization of seed microbiomes. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives, Elsevier, Amsterdam pp. 99-126, <https://doi.org/10.1016/B978-0-12-820526-6.00007-5> (SCOPUS)
50. Rana KL, **Kour D**, Kaur T, Devi R, Yadav N, Subrahmanyam G, Kumar M, Yadav AN (2020) Biotechnological applications of seed microbiomes for sustainable agriculture and environments. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives, Elsevier, Amsterdam, pp. 127-144 <https://doi.org/10.1016/B978-0-12-820526-6.00008-7> (SCOPUS)
51. **Kour D**, Kaur T, Yadav N, Rastegari AA, Singh B, Kumar V, Yadav AN (2020) Phytases from microbes in phosphorus acquisition for plant growth promotion and soil health. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives, Elsevier, Amsterdam, pp. 157-176, <https://doi.org/10.1016/B978-0-12-820526-6.00011-7> (SCOPUS)
52. **Kour D**, Kaur T, Devi R, Rana KL, Yadav N, Rastegari AA, Yadav AN (2020) Biotechnological applications of beneficial microbiomes for evergreen agriculture and human health. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Perspectives for Human Health, Elsevier, Amsterdam, pp. 255-277, <https://doi.org/10.1016/B978-0-12-820528-0.00019-3>
53. **Kour D**, Rana KL, Kaur T, Devi R, Yadav N, Halder SK, Kumar K, Yadav AN, Sachan SG, Dhaliwal HS, Saxena AK (2020) Potassium solubilizing and mobilizing microbes: biodiversity, mechanisms of solubilization and biotechnological implication for alleviations of abiotic stress, In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives, Elsevier, Amsterdam, pp. 177-202. <https://doi.org/10.1016/B978-0-12-820526-6.00012-9> (SCOPUS)
54. Yadav AN, Kaur T, **Kour D**, Rana KL, Yadav N, Rastegari AA, Kumar M, Paul D, Sachan SG, Saxena AK (2020) Saline microbiome: Biodiversity, ecological significance and potential role in amelioration of salt stress in plants. In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives, Elsevier, Amsterdam, pp. 283-310, <https://doi.org/10.1016/B978-0-12-820526-6.00018-X> (SCOPUS)
55. Yadav AN, **Kour D**, Kaur T, Devi R, Gukeria G, Rana KL, Yadav N, Rastegari AA (2020) Microbial biotechnology for sustainable agriculture: Current research and future challenges, In: Rastegari AA, Yadav AN, Yadav N (eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives, Elsevier, Amsterdam, pp. 331-343. <https://doi.org/10.1016/B978-0-12-820526-6.00020-8> (SCOPUS)



56. **Kour D**, Rana KL, Kaur T, Yadav N, Yadav AN, Rastegari AA, Saxena AK (2020). Microbial Biofilms: Functional Annotation and Potential Applications in Agriculture and Allied Sectors. In: Singh BP and Yadav M (eds) *New and Future Developments in Microbial Biotechnology and Bioengineering. Microbial Biofilms: Current Research and Future trends.* Elsevier, Amsterdam. pp 283-301 ([SCOPUS](#))
57. Rana KL, **Kour D**, Kaur T, Kaur T, Devi R, Negi C, Yadav AN, Yadav N, Singh K, Saxena AK (2020). Endophytic Fungi from Medicinal Plants: Biodiversity and Biotechnological Applications. In: Kumar A, SinghVK (eds) *Microbial Endophytes: Prospects for Sustainable Agriculture.* Woodhead Publishing, pp 273-305. <https://doi.org/10.1016/B978-0-12-819654-0.00011-9> [ISBN: 978-0-12-819654-0]
58. Rana KL, **Kour D**, Yadav N, Yadav AN (2020). Endophytic Microbes in Nanotechnology: Current Development, and Potential Biotechnology Applications. In: Kumar A, Singh VK (eds) *Microbial Endophytes: Prospects for Sustainable Agriculture.* Elsevier, Amsterdam, pp-231-262, <https://doi.org/10.1016/B978-0-12-818734-0.00010-3> [ISBN: 9780128187340]
59. Rana KL, **Kour D**, Yadav AN, Yadav N, Saxena AK (2020). Agriculturally Important Microbial Biofilms: Biodiversity, Ecological Significances and Biotechnological Applications. In: Singh BP and Yadav M (eds) *New and Future Developments in Microbial Biotechnology and Bioengineering. Microbial Biofilms: Current Research and Future trends.* Elsevier, Amsterdam pp 221-265 ([SCOPUS](#))
60. Kumar A, Chaturvedi AK, Yadav K, Arunkumar KP, Malyan SK, Raja P, Kumar R, Khan SA, Yadav KK, Rana KL, **Kour D**, Yadav N, Yadav AN (2019) Fungal Phytoremediation of Heavy Metal-Contaminated Resources: Current Scenario and Future Prospects. In: Yadav AN, Singh S, Mishra S, Gupta A (eds) *Recent Advancement in White Biotechnology Through Fungi: Volume 3: Perspective for Sustainable Environments.* Springer International Publishing, Cham, pp 437-461. doi:10.1007/978-3-030-25506-0\_18
61. Kumar M, Saxena R, Rai PK, Tomar RS, Yadav N, Rana KL, **Kour D**, Yadav AN (2019) Genetic Diversity of Methylophilic Yeast and Their Impact on the Environment. In: Yadav AN, Mishra S, Singh S, Gupta A (eds) *Recent Advancement in White Biotechnology through Fungi. Vol-3: Volume 3: Perspective for Sustainable Environments.* Springer-Nature, Springer International Publishing AG, Cham, Switzerland [ISBN: 978-3-030-25506-0] pp 53-71
62. Yadav AN, Yadav N, **Kour D**, Kumar A, Yadav K, Kumar A, Rastegari AA, Sachan SG, Singh B, Chauhan VS, Saxena AK (2019) Bacterial community composition in lakes. In: Bandh SA, Shafi S, Shameem N (eds) *Freshwater Microbiology.* Academic Press, pp 1-71. doi:10.1016/B978-0-12-817495-1.00001-3 [ISBN: 9780128174951]
63. Yadav AN, **Kour D**, Sharma S, Sachan SG, Singh B, Chauhan VS, Sayyed RZ, Kaushik R, Saxena AK (2019) Psychrotrophic Microbes: Biodiversity, Mechanisms of Adaptation, and Biotechnological Implications in Alleviation of Cold Stress in Plants. In: Sayyed RZ, Arora NK, Reddy MS (eds) *Plant Growth Promoting Rhizobacteria for Sustainable Stress Management: Volume 1: Rhizobacteria in Abiotic Stress Management.* Springer Singapore, Singapore, pp 219-253. doi:10.1007/978-981-13-6536-2\_12 [ISBN: 978-981-13-6536-2]

64. **Kour D**, Rana KL, Kumar R, Yadav N, Yadav AN, Singh K (2018). Gene manipulation and regulation of catabolic genes for biodegradation of biphenyl compounds. In: Singh HB, Gupta VK, Jogaiah S (eds) *New and Future Developments in Microbial Biotechnology and Bioengineering-Microbial Genes Biochemistry and Applications*. Elsevier, Amsterdam, pp-1-23, doi:10.1016/B978-0-444-63503-7.00001-2 [ISBN: 9780444635037] (SCOPUS)
65. **Kour D**, Rana KL, Thakur S, Sharma S, Yadav N, Yadav AN, Saxena AK (2018). Disruption of protease genes in microbes for production of heterologous proteins In: Singh HB, Gupta VK, Jogaiah S (eds) *New and Future Developments in Microbial Biotechnology and Bioengineering-Microbial Genes Biochemistry and Applications*. Elsevier, Amsterdam, pp 35-75, doi: 10.1016/B978-0-444-63503-7.00003-6 [ISBN: 9780444635037;] (SCOPUS)
66. **Kour D**, Yadav N, Yadav AN, Rastegari AA, Hesham AE-L, Singh B, Chauhan VS, Sachan SG, Saxena AK (2018). Metabolic Engineering to Synthetic Biology of Secondary Metabolites Production. In: *New and Future Developments in Microbial Biotechnology and Bioengineering. Microbial Secondary Metabolites Biochemistry and Applications*. (eds Gupta VK et al.), [ISBN: 9780444635044; Elsevier, USA].
67. Yadav AN, **Kour D**, Yadav N, Sachan SG, Sayyed RZ, Saxena AK (2018). Psychrotrophic Microbes: Biodiversity, Mechanisms of Adaptation and Biotechnological Implications for Cold Stress in Plant. In: *Rhizobacteria- abiotic stress management* (eds Sayyed et al.), Springer, India
68. **Kour D**, Yadav AN, Yadav N, Kumar V, Kumar A, Sayyed RZ, Hesham AE-L, Dhaliwal HS, Saxena AK (2018). Drought Tolerant Phosphorus Solubilizing Microbes: Biodiversity and Biotechnological Applications for Alleviation of Drought Stress in plants. In: *Rhizobacteria- abiotic stress management* (eds Sayyed et al.), Springer, India
69. Rana KL, **Kour D**, Yadav AN, Kumar V, Singh BP, Suman A, Saxena AK (2018). Biodiversity of endophytic fungi from diverse niches and its biotechnological applications. In Singh et al (eds), *Advances in Endophytic Fungal Research*. Springer-Nature
70. **Kour D**, Rana KL, Kumar A, Rastegari AA, Yadav N, Yadav AN (2018). Extremophiles for Hydrolytic Enzymes productions: Biodiversity and Potential Biotechnological Applications. In: Gupta VK, Molina G and Singh BN (eds) *Bioprocessing for Food Ingredients Production*. [ISBN: 978-1-119-43432-0] Wiley & Sons, USA.
71. **Kour D**, Rana KL, Kumar V, Kumar A, Saxena AK (2018). Rhizospheric microbiomes: Biodiversity, Mechanisms of plant growth promotion and agricultural application under diverse abiotic stress conditions. In Kumar et al (eds), *Plant Growth Promoting Rhizobacteria for agricultural Sustainability: From Theory to Practices*. Springer-Verlag Berlin Heidelberg.
72. Rana KL, **Kour D**, Yadav N, Sheikh I, Dhiman A, Yadav N, Yadav AN, Rastegari AA, Singh K, Saxena AK (2018). Endophytic Fungi: Biodiversity, Ecological Significances and Potential Industrial Applications. In: Yadav AN, Mishra S, Singh S, Gupta A (eds) *Recent Advancement in White Biotechnology through Fungi. Vol-1: Diversity and Enzymes Perspectives*. Springer-Nature, Springer International Publishing AG, Cham, Switzerland

73. Sharma S, **Kour D**, Rana KL, Dhiman A, Thakur S, Thakur P, Tahkur S, Tahkur N Sudheer S, Yadav N, Yadav AN, Rastegari AA, Singh K, Saxena AK (2018). Trichoderma: Biodiversity, Ecological Significances and Industrial Applications. In: Yadav AN, Mishra S, Singh S, Gupta A (eds) Recent Advancement in White Biotechnology through Fungi. Vol-1: Diversity and Enzymes Perspectives. Springer-Nature, Springer International Publishing AG, Cham, Switzerland
74. **Kour D**, Sharma S, Rana KL, Gupta N, Thakur S, Singh C, Negi P, Yadav N, Yadav AN, Rastagari AA, Singh K, Saxena AK (2018). Technologies for Biofuel Production: Current Development, Challenges, and future prospects. In: Rastegari AA, Yadav AN, Gupta A (Eds) Prospects of Renewable Bioprocessing in Future Energy Systems. Springer International Publishing AG, Gewerbestrasse 11, 6330 Cham, Switzerland

**\*Equally contribution to paper (First Authorship)**

**Research Communications: 26**

**(International- 06; National-20)**

1. Gabba D, **Kour D**, Yadav AN, Suyal DC, Singh N (2022) Psychrotrophic Phosphorus Solubilizing Bacteria of Himalayan Regions: Biodiversity and Role in Plant Growth Promotion of Cereal Crops. *In: International Conference on Water, Agriculture, Dairy and Food Processing for Sustainable Economy held at Eternal University on 25-26 March*
2. Gabba D, Sharma B, **Kour D**, Yadav AN (2022) Microbial Biofertilizers: An Eco-friendly Technology for Sustainable Agriculture. *In: First International Student Symposium on Basic Sciences held at Akal University, Talwandi Sabo, Bathinda on 19-21 May*
3. Gabba D, Sharma B, **Kour D**, Yadav AN (2022) Functional Diversity and Potential of Phosphorus Solubilizing Bacteria for Plant Growth Promotion of Cereal Crops. *In: National Conference on Current Scientific Innovation and Research in Plant Biology held at Eternal University on 27-28 May*
4. Sharma B, Gabba D, **Kour D**, Yadav AN (2022) Endophytic Microbes as Potential Bioresources for Agricultural and Environmental Sustainability. *In: First International Student Symposium on Basic Sciences held at Akal University, Talwandi Sabo, Bathinda on 19-21 May*
5. Sharma B, Gabba D, **Kour D**, Yadav AN (2022) Endophytic Microbes: Treasury Bioresources of Novel Bioactive Compounds. *In: National Conference on Current Scientific Innovation and Research in Plant Biology held at Eternal University on 27-28 May*
6. Kaur T, Devi R, **Kour D**, Kumar S, Yadav AN (2021) Plant growth promotion of wheat (*Triticum aestivum* L.) by novel and potential microbial consortium with multifunctional attributes. *In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, September 4-5, pp 40*
7. Devi R, Kaur T, Negi R, Sheikh I, **Kour D**, Yadav AN (2021) Microbial consortium with mineral solubilizing attributes for growth of chilli (*Capsicum annum* L.). *In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, September 4-5, pp 41*

8. Negi R, Kaur T, Devi R, **Kour D**, Yadav AN (2021) Plant growth promotion and acquisition of nitrogen in barley (*Hordeum vulgare* L.) by nitrogen fixing endophytic bacteria *Erwinia persicina* EU-B1RT.R4. In: National Conference on Sustainability: Methods, Practices & Adaptation-Indian Perspective, September 4-5, pp 42 (Best Poster Presentation Award)
9. Kaur T, Devi R, Negi R, **Kour D**, Yadav AN (2021) Effect of plant growth promoting microbial consortium on pearl millet (*Pennisetum glaucum*) growing in Indian Himalayan region. In: National Conference on Current Constraints in Agriculture & Environment (30 July, 2021; online)
10. Devi R, Kaur T, Negi R, **Kour D**, Yadav AN (2021) Effect Co-inoculation of plant growth promoting microbes on *Amaranthus* crop growing in Divine Valley of Baru Sahib. In: National Conference on Current Constraints in Agriculture & Environment (30 July, 2021; online)
11. Kaur T, Devi R, Negi C, Rana KL, **Kour D**, Yadav AN (2019). Rhizospheric and endophytic microbes with multifarious plant growth promoting attributes for agricultural sustainability In: 2nd 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, India from 27/09/2019 to 29/09/2019
12. Devi R, Kaur T, Negi C, Rana KL, **Kour D**, Yadav AN (2019) Potassium solubilizing microbes from cereal crop growing in Divine Valley of Baru Sahib and agricultural applications for crop improvement In: 2nd International Conference on “Recent Advances in Agriculture, Environmental & Applied Sciences for Global Development (RAAEASGD-2019), for paper entitled at Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India from 27/09/2019 to 29/09/2019
13. Yadav AN, **Kour D**, Rana KL, Kumar S, Sheikh I, Dhaliwal HS (2019). Microbial Consortium as Bio-inoculants for Organic Farming in Himachal Pradesh. In: National Conferences on “New Insights in Biological & Environmental Sciences (NIBES)” at Eternal University, Baru Sahib, May 24-25, pp-12
14. **Kour D**, Rana KL, Yadav AN, Dhaliwal HS (2019). Alleviating of Drought Stress in Foxtail Millet (*Setaria italica*) Using the Drought-Tolerant Rhizobacteria with Multifarious Plant Growth Promoting Attributes. In: National Conferences on “New Insights in Biological & Environmental Sciences (NIBES)” at Eternal University, Baru Sahib, May 24-25, pp-41
15. Rana KL, **Kour D**, Yadav AN, Dhaliwal HS (2019). Evaluating the Potential of Plant Growth Promoting Endophytic Bacteria as Bio-Inoculants for Wheat (*Triticum aestivum*). In: National Conferences on “New Insights in Biological & Environmental Sciences (NIBES)” at Eternal University, Baru Sahib, May 24-25, pp-74
16. Dhiman A, **Kour D**, Rana KL, Yadav AN, (2019). Potassium Solubilizing Bacteria Associated with Cereal Crops from Indian Himalayan Regions and their Plant Growth Promoting Attributes. In: National Conferences on “New Insights in Biological & Environmental Sciences (NIBES)” at Eternal University, Baru Sahib, May 24-25, pp-91
17. Yadav AN, Yadav N, **Kour D**, Rana KL, Dhaliwal HS, Saxena AK (2018). Microbiomes from Indian Himalayan region and their potential applications in agriculture and allied sectors. In: 3rd Himachal Pradesh Science Congress, IIT Mandi. October 22-23, 2018

18. **Kour D**, Rana KL, Yadav AN, Kumar V, Dhaliwal HS (2018). Rhizospheric microbes from cereal crops with multifarious plant growth promoting attributes for alleviation of drought stress. In: 3rd Himachal Pradesh Science Congress, IIT Mandi. October 22-23, 2018
19. **Kour D**, Rana KL, Yadav AN, Kumar V, Dhaliwal HS (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
20. Rana KL, **Kour D**, Yadav AN, Kumar V, Dhaliwal HS (2018). Endophytic Microbes from Cereal Crops and Their Potential Applications for Plant Growth Promotion. In: 3rd Himachal Pradesh Science Congress, IIT Mandi. October 22-23, 2018
21. **Kour D**, Rana KL, Yadav AN, Kumar V, Dhaliwal HS (2017). Biological nitrogen-fixing endophytic microbes from cereal crops and its plant growth promoting attributes for crop improvement. In: International Conference on Microbes for Health and Wealth held at Maharshi Dayanand University, Rohtak, pp 21-22
22. **Kour D**, Rana KL, Yadav AN, Kumar V, Dhaliwal HS (2017). Molecular diversity and functional attributes of phosphorus solubilizing microbes isolated from rhizosphere of different cereal crops growing in the Divine valley of Baru Sahib. In: 2nd Himachal Pradesh Science Congress held at Peterhoff hotel, Shimla.
23. **Kour D**, Rana KL, Yadav AN, Kumar V, Dhaliwal HS (2017). Mitigation of the drought stresses in cereals and pseudocereal crops through stress adaptive microbes. In: National Conference held at Maharaja Agresan University, Baddi. 8-9 Dec
24. **Kour D**, Rana KL, Verma P, Yadav AN, Kumar V, Dhaliwal HS (2017). Biofertilizers: Eco-friendly Technologies and Bioresources for Sustainable Agriculture. In: 2nd International Conferences of “Innovative Research in Engineering, Science and Technology”, held at Eternal University, Baru Sahib, HP, April 7-8, IREST/PP/014
25. **Kour D**, Rana KL, Verma P, Yadav AN, Kumar V, Dhaliwal HS (2017). Drought tolerant phosphorus solubilizing microbes: Diversity and biotechnological applications for crops growing under rainfed conditions. In: National Conference on Advances in Food Science and Technology, held at Eternal University, Baru Sahib, HP 24-25 March, pp. 166-167
26. Rana KL, **Kour D**, Yadav AN, Kumar V, Dhaliwal HS (2017). Phosphorus solubilizing microbes from crops growing in Indian Himalayan regions and its agricultural applications for plant growth and soil health. In: International Conference on Microbes for Health and Wealth held at Maharshi Dayanand University, Rohtak, pp 19-20
27. Rana KL, **Kour D**, Yadav AN, Kumar V, Dhaliwal HS (2017). Endophytic microbiomes: Associations and functional attributes for plant growth improvement in wheat (*Triticum aestivum* L.) and maize (*Zea mays* L.). In: 2nd Himachal Pradesh Science Congress held at Peterhoff hotel, Shimla.
28. Rana KL, **Kour D**, Verma P, Yadav AN, Kumar V, Dhaliwal HS (2017). Endophytic microbes from cereal crops: Molecular diversity and biotechnological potential applications. In: 2nd International Conferences of “Innovative Research in Engineering, Science and Technology”, held at Eternal University, Baru Sahib, HP, April 7-8, IREST/PP/013
29. Rana KL, **Kour D**, Verma P, Yadav AN, Kumar V, Dhaliwal HS (2017). Diversity and biotechnological applications of endophytic microbes associated with maize (*Zea mays* L.)

- growing in Indian Himalayan regions. In: National Conference on Advances in Food Science and Technology, held at Eternal University, Baru Sahib, HP 24-25 March, pp. 41-42
30. Rana KL, **Kour D**, Yadav AN, Kumar V, Dhaliwal HS (2016). Biotechnological applications of endophytic microbes associated with barley (*Hordeum vulgare* L.) growing in Indian Himalayan regions. 86<sup>th</sup> Annual Session of NASI & the Symposium on “Science, Technology and Entrepreneurship for Human Welfare in The Himalayan Region” held at Uttarakhand Technical University and Uttarakhand Council of Science & Technology, Dehradun, Dec 2-4, p-80
31. Rana KL, **Kour D**, Yadav AN, Kumar V, Dhaliwal HS (2016). Endophytic microbes from wheat: Diversity and biotechnological applications for sustainable agriculture. In: 57th AMI-2016 & International symposium on “Microbes and Biosphere: What’s New What’s Next” held at Guwahati University, Assam, India. Soil and Agriculture Microbiology: SAM-2, p-453

#### Reviewer for Journals

S.No	Journals	Manuscripts handled
1.	Frontiers in Microbiology	29
2.	Journal of Applied Biology and Biotechnology	10
3.	BMC Microbiology	06
4.	Plant Science Today	03
5.	Current Microbiology	04
6.	Journal of Cleaner Production	01
7.	Symbiosis	01
8.	Journal of Taibah University for Science	01
9.	Ecotoxicology and Environmental Safety	01

#### Organized conferences/workshops: 04

- Workshop on “**Importance of Intellectual Property Rights in Academia**” on 27<sup>th</sup> March, 2021
- National Conference on “**Sustainability**” on September 4-5, 2021
- International Conference on “**Water, Agriculture, dairy and food Processing for Sustainable Economy**” on March 25-26, 2022
- National Conference on “**Current Scientific Innovations and Research in Plant Biology**” 2022

#### Attended trainings/workshops: 02

- Workshop on Intellectual Property Rights: Issues and Challenges (IPRIC-2017) at Eternal University, Baru Sahib, Sirmour-173101, HP, India on 14<sup>th</sup> March, 2017
- Workshop on “Importance of Intellectual Property Rights in Academia” on 27<sup>th</sup> March, 2021

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

Nucleotide sequences: 45 [<https://www.ncbi.nlm.nih.gov/nuccore/?term=Kour+D>]

### **Bioinformatics & Softwares Proficiency**

BLASTn, BankIt, Codon Code Aligner, CAP3 Sequence Assembly Program, ClustalW, MEGA4

### **Instruments Handled**

Autoclave, BOD Incubator, Centrifuge (Thermoscientific), Conductivity meter, Digital colony counter, Microscope, Double distillation unit, Gel documentation System, Gel electrophoresis, PCR, pH-meter, Water Bath, UV-Vis Spectrophotometer, Water Purification System, Laminar Air Flow and Atomic Absorption Spectroscopy (AAS).

### **Expertise/Skills**

1. **Microbiology:** Isolation, Enumeration and Purification of bacteria and Fungi, Morphological and cultural characterization microbes from extreme environments, Staining and Microscopy, Biochemical characterization, PGP attributes and hydrolytic enzymes production, Preservation of microorganisms.
2. **Molecular Biology:** Genomic DNA extraction and optimization for bacteria and fungi, PCR amplification of 16S/18S rRNA, Gel electrophoresis
3. **Compatibility summary:** Having fine laboratory skills, Good analytical and conceptual skills, Good communication and time management skills

### **Personal Profile**

Name	:	Divjot Kour
Father's Name	:	Manjeet Singh
Mother's Name	:	Amrit Kour
Date of Birth	:	25 March 1991
Gender	:	Female
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3. **Researchgate:** [https://www.researchgate.net/profile/Divjot\\_Kour](https://www.researchgate.net/profile/Divjot_Kour)

## References

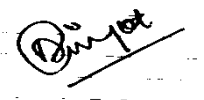
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## Declaration

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:** 19/04/2023

**Place:** Baru Sahib



(Divjot Kour)



### Biography

**Dr. Divjot Kour** has completed Ph.D. in “Microbial Biotechnology” from Department of Biotechnology, Dr. Khem Singh Gill Akal College of Agriculture, Eternal University, Baru Sahib, Himachal Pradesh, India. She obtained M.Phil. in Microbiology in 2016 from Shoolini University of Biotechnology and Management Sciences, Solan, Himachal Pradesh; M.Sc. in Microbiology from University of Jammu, Jammu and Kashmir in 2013 and B.Sc. from University of Jammu, Jammu and Kashmir in 2011. She has published **141** research/review/book chapters in different international/national journals and publishers with **4748** citations, **39** h-index and **74** i10-index. Dr. Kour is editor for 05 Springer-Nature books. She has published **31** abstracts in different conferences/symposiums/workshops. She has presented **07** papers presentation in national and international conferences/symposiums and got **05** best paper presentations Award. She received **Best Research Scholar Award** *In:* International Conference on Recent Advances in Agricultural, Environmental and Applied Sciences for Global Development-2019 held at Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, H.P. India. She received “**Arab Society for Fungal Conservation Award-2021**” In her credit ~700 microbes (Archaea, bacteria and fungi) isolated from diverse sources. She has the membership of National Academy of Sciences, India and Agro Environmental Development Society, India.