

RESUME

Dr. MEENU RATHI

Assistant Professor, Department of Botany

G.M.N College Ambala Cantt

E-Mail- meenumolbio@rediffmail.com, Mob no- 9541266183

Demographic Profile: Date of Birth 21st December 1982, Female, Married, Indian

Educational Qualification:

Class	University/Board	Subject	%
Matric	Allahabad	Hindi, Eng, Math, Bio, Sci, So-Scie	73%
10+2	Allahabad	Hindi, Eng, Bio, Phy, Chem	66%
B.Sc.	C.C.S. Uni, Meerut	Botany, Zoology, Chemistry	60%
M.Sc.	C.C.S. Uni, Meerut	Botany	67%
P.h.D.	C.C.S. Uni, Meerut	Thesis topic: Isolation of phosphate solubilizing <i>Bacillus</i> and <i>Pseudomonas</i> strains/mutants with improved phosphate solubilization and there effect on green gram and mustard crops.	-
Diploma	NIIT, Baraut, Bagapt, U.P	Two years diploma in “Advance course in Computer Science”	

Teaching experience

1. Worked as Assistant professor at IET Kurukshetra, Samani from 13th Aug 2009 to 3rd Feb 2011
2. Worked as Assistant professor at University College, Kurukshetra from 3 Feb 2011 to 30th April 2011
3. Worked as Assistant professor at University College, Kurukshetra from 17.08.2011 to 31.05.2012
4. Worked as Assistant professor at University College, Kurukshetra from 16.07.2012 to 18.05.2013
5. Worked as Assistant professor at University College, Kurukshetra from 03.08.2013 to 06.05.2014
6. Worked as Assistant professor at University College, Kurukshetra from 01.08.2014 to 30.04.2015
7. Worked as Assistant professor at University College, Kurukshetra from 06.08.2015 to 16.11.2017
8. Worked as Assistant professor at University College, Kurukshetra from 17.11.2017 to continue

Orientation programme

Participated in UGC sponsored 4- week orientation course organized by academic staff college Kurukshetra University Kurukshetra from 21-11-2018 to 18-12-2018

Participation in Symposium, Workshops

1. National symposium on Indian Biotechnology Scenario: Challenges & opportunities organized by department of Biotechnology, ACE&AR Ambala on 28th Nov 2005.
2. Participated in National Symposium on integrated management of plant in service of mankind sponsored by UGC, organized by Department of Botany, J. V. College, Barut (Baghput) U.P.
3. Participated in National workshop on Nanotechnology and Applied Science organized by department of applied science, Haryana College of Technology and Management, Kaithal from 28 to 29th November 2009.
4. Short term programme on advances in Digital Signal Processing and its application conducted by Electronics and Communication engineering department from 6th April 2010 to 10th April 2010 at University Institute of Engineering and Technology, Kurukshetra University.
5. Participated in two days short term course organized by Academic Staff College, kurukshetra university kurukshetra from 30th to 31 October 2012.
6. Participated in two days short term course organized by academic Staff College, kurukshetra university kurukshetra from 19th to 20 September 2012.
7. Attended three days workshop in G.M .N College Ambala Cantt Organized by the Department of Psychology from 1-2-2018 to 3-2 2018.

Poster/ paper presented in conference

1. Presented poster in International Conference on Current Trends In Biotechnology & Implications in Agriculture organized by Sardar Vallabhbhai Patel University of Agriculture & Technology Meerut U.P, Feb 2009.
2. Presented a paper in International conference on Energy and sustainable development in India organized by Department of commerce University college, KUK and sponsored by UGC, March 13-14, 2013.
3. Presented research paper in two days international conference on BRICs and India recent developments, challenges and opportunities on 10th and 11th April 2017.
4. Presented a paper in three days National seminar organized by department of Zoology, K.U.K from 15th Feb to 17th Feb 2018.

Organizer

1. Working as organizing secretary of one day science awareness programme organized by department of Botany and Zoology on 10th Feb 2018.
2. Working as organizing secretary of National seminar organized by department of Botany and Sanskrit on 5th Nov 2018.

Book

1. Editor of a book “Emerging Trends and challenges in Biosciences” of Astral International Publisher in 2018.

Publications

International (UGC approved journal)

1. **M. Rathi**, D. K. Malik, P. kumar, M. Kumar A. Dahiya and B. S. Dahiya 2009. Effect of Phosphate Solubilizing bacterial strains on plant growth of green gram (*Vigna radiata*) and mustard (*Brassica compestris*). *Journal of Pure and Applied Microbiology* **3**(1): 125-133. ISSN No- 0973-7510.
2. **M Rathi**, Malik DK, and Dahiya BS 2012. Evaluation of phosphate solubilizing *Pseudomonas* strains and their mutants in relation to mustard (*Brassica compestris*) *Journal of Pure and Applied Microbiology* **6**(4): 1869-1874. ISSN No- 0973-7510.

National (UGC approved journal)

1. **M. Rathi**, D. K. Malik, B. S. Dahiya and vipin kumar 2010. Assessment of phosphate solubilizing bacterial strains and their mutants with enhanced phosphate solubilization in relation to green gram (*Vigna radiata*). *Progressive Agriculture* **9**(1):286-295. ISSN No - 0972-6152.
2. Sharma M, **Rathi M**, Gaur N, Grewal A and Malik DK 2013 Decolorization of the chlorophenol red (dye) by isolate *Aspergillus* strain from textile industrial waste soil. *Asian journal of experimental biological science* **4**(3): 353-355. ISSN No - 0975-5845.
3. Gaur N, Bhardwaj V and **Rathi M** 2013 Heavy metals and their effect. *Journal of Pharmacy Research*. **1**(9): 928-933. ISSN: 0974-6943.

Paper published in national journal with ISSN No

1. Gupta A, Aggarwal A, **Rathi M** and Khushbu 2011 Effect of herbicide clodinapfop on AM fungal biodiversity of wheat crop. *Journal of environmental science* **1**: 195-199. ISSN No- 0974-0376
2. Gaur N, Bhardwaj V and **Rathi M** 2014 Health risks of Engineered Nan particles. *International journal of current microbiology and applied research*. **3** (7): 132-147. ISSN: 2319-7706
3. Gaur N and **Rathi M** 2016 Phosphate solubilizing bacteria as biofertilizer and its applications *Journal of Pharmacy Research*. **10**(3): 146-148. ISSN: 0974-6943.

Book chapter (International publisher)

1. Bhatia D, Grewal A, Rathi M and **D. K. Malik** 2013 Bacterial and fungal degradation of Nitroglycerine. In: *Biological remediation of explosive residues* (Ed. Singh S.N), Springer, Germany, pp. 149-162. **ISBN: 978-3-319-01082-3**

Book chapter (National Publisher)

1. **M Rathi**, Akashi, Goyat P, Nimbrya A and Gupta A **2013** Phosphate solubilizing bacteria: a prospective implement for plant growth encouragement. *Microbes in the service of mankind: tiny bugs with huge impact* (Ed. Nagpal A, Kumar A and Singh Randhir) JBC Press, New Delhi, India. Pp.254-273. **ISBN: 978-93-8155-8850**
2. D. K. Malik, Bhatia D and **Rathi M** 2013 Bacterial degradation of some organophosphate compounds (chlorpyrifos, parathion, glyphosate, coumaphos, monocrotophos and malathion. *Microbial Diversity and Biotechnology in Food Security*. (Ed. Kharwar R), Springer India (Pvt) Ltd., New Delhi , **ISBN: 9788132218005**
3. Rathi M, Gupta A, Bhardwaj V, **Malik D. K**, N Gaur 2014 Phytoremediation of heavy metals. In: *Environmental Studies* (Ed. Dr. Amrit Singh) Acharya Acadmy Bharat, Laat printing press Pratap Chowk, Rohtak. Pp 186-192. **ISBN: 978-93-5104-321-8.**
4. Kandola S and Rathi M 2018 Production and analysis of various attributes of newly synthesized symbiotic yoghurt via incorporation of indigenous isolate of *Lactibacillus acidophilus* and insulin. In: “Emerging Trends and challenges in Biosciences (Ed. Dr. R. P Singh) Astral International Publisher Pp 218- **ISSN: 978-93-5124-988-7.**

I hereby solemnly declare that all the statements made in above resume are true and correct to best of my knowledge and belief.

Meenu Rathi