

## **FACULTY PROFILE**

### **Personal Details:**

Name : **Dr. Ragini Gothalwal**  
Designation : Professor, Coordinator & Dean, (Life Science)  
Department : Biotechnology, Barkatullah University, Bhopal  
Incharge Head, Department of Pharmacy  
Barkatullah University, Bhopal.  
E:mail ID : ragini\_gothalwal@yahoo.com  
Phone : 0755:2517132 Phone (R) 4278255  
Mobile (O) : 9826184675



### **Academic Details:**

Experience : 35 Years  
PDF : CSIR, Research Associate (Direct)  
UGC, Research Associate (Direct)  
Ph. D. : From Barkatullah University, Bhopal in 1991 in Microbiology-  
“Physiological and Genetical Study of pesticide pollution in combination  
with heavy metals on some *Synechococcus* sp.”  
M. Phil : NA  
NET/JRF : Govt. of India Project JRF, SRF, (Direct), CSIR,(Direct.)  
M. Sc. : Bioscience: (Specialization: Biotechnology), Jabalpur.  
B. Sc. : Hawabagh Women’s College, Jabalpur.

### **Awards/Fellowships/Training/Workshop attended:**

#### **Scholarship & Awards:**

- ◆ Young Scientist Award in 1989.
- ◆ Junior Research Fellowship of Govt. of India in March 1987.
- ◆ SRF (Direct) of CSIR, New Delhi in Jan 1992.
- ◆ RA (Direct) of CSIR, New Delhi in Nov. 1992.
- ◆ RA (Direct) of UGC, New Delhi in May, 1995.
- ◆ RA of UGC, DSA programme New Delhi in June 2000.
- ◆ Best poster presentation in conference by GGU, Bilaspur:2009.
- ◆ Reviewers Excellence Award by A.R.C.C. Journal 2016 and 2018.
- ◆ Peer Committee Member for NAAC 2016.
- ◆ Peer Committee Member for Autonomous College, UGC, New Delhi.

**Research Interests:**

Biochemical and molecular analysis of pesticide resistance mechanism, Microbial Biodegradation and Bioremediation, Characterization of membrane defective mutants of cyanobacteria, Industrial Exploitation of microorganisms, Microbial biodiversity of cyanobacteria & Bacteria Protein Engineering.

**Research Projects:**

- a. Ongoing (National/International) : Nil
- b. Completed (National/International) : 02 (National)

**Publications: (Numbers Only), Citation/ h:index/ i10:index (from 2021)**

Publications	:	157
Citation Over All	:	1948
h:index	:	15
i10:index	:	21
articles	:	4
a. National	:	35
b. International	:	122

**Conferences attended:**

- a. International : 55
- b. National : 47

**(Please Attached Detail) : (Attached- Annexure-1)**

**Membership of Professional bodies: (With registration No.)**

- ◆ Life member of Biotechnology Society of India.
- ◆ Member of Indian Institute of Public Administration, New Delhi.
- ◆ Member of M.P. Vigyan Sabha, Bhopal.
- ◆ Member of Indian Science Cong. Association, Calcutta.
- ◆ Member of National Academy of Sciences, Allahabad, India.
- ◆ Member of Association of Microbiologist of India, New Delhi.
- ◆ Vice:President of Barkatullah University Research Association, Bhopal 1994.
- ◆ President of Barkatullah University Research Association, Bhopal – 1995.
- ◆ Executive Member of M.P. Research Association.
- ◆ Founder Member of Barkatullah University Researcher's Association.

(Annexure-1)

**YEAR 2015:**

1. Aparna Singh and **Ragini Gothwal** (2015) “Fluorodatabase: A Unique Tool for Analysis” published in abstract book of 56<sup>th</sup> International Conference “AMI 2015. 7<sup>th</sup>-10<sup>th</sup> Dec., 2015 at JNU Convention Centre, New Delhi, India. (BIMG-14).
2. Charu Batav and **Ragini Gothwal** (2015) “Trypsin: An Industrially Important Enzyme from Fish Waste” published in abstract book of 56<sup>th</sup> International Conference “AMI 2015. 7<sup>th</sup>-10<sup>th</sup> Dec., 2015 at JNU Convention Centre, New Delhi, India. (IMP-57).
3. Kishor Shende, Rajnikant Bhargav and **Ragini Gothwal** (2015). In-Silico Study of Metal Bound  $\beta$ -Lactam Antibiotics and its Binding Potential to Penicillin Binding Protein (PBPa) in 18th Annual cum 1st International Conference of Vijnana Parishad of India “Computational & Integrative Sciences” and International Symposium “Computational Biology” organized by Department of Mathematics, Bioinformatics & Computer Applications, MANIT, Bhopal, 11-14 Dec, 2015. CSB17. Pp61-62.
4. Renu Patel, Kishor Shende, **Ragini Gothwal**. (2015). Studies on Structural Variation of Glycerol Dehydrogenase enzyme in Few *Lactobacillus* Species. Proceedings of National Seminar “Recent Trends in Science & Technology” organized by ISCA, Bhopal MPCST Bhopal, 30-31 March, 2015. (BIO038)pp24.
5. Basene Y. and Gothwal R. (2015). The structural conformation of CMB in cellulose degradation. Proc. Nat Conf on ‘Emerging Trends in Biological Sciences’ organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015 pp116.
6. Pallav Kaushik Deshpande, **Ragini Gothwal** Nanoparticles as colloidal drug carriers. 2<sup>nd</sup> National Women Conference – 2015 ‘Women in Science – Promoting Excellence and Innovation for Future Development’ March 25-27, 2015, Jiwaji University, Gwalior.
7. Pallav Kaushik Deshpande, **Ragini Gothwal**, Anupam Kumar Pathak. Efficiency of nanoparticle as a drug delivery system for natural and synthetic drugs against cerebral malaria .National Conference on “Recent trends in applied microbiology, human health & environment held on 27-28, March, 2015 Bundelkhand University, Jhansi.
8. Pallav Kaushik Deshpande, **Ragini Gothwal**. Evaluation of Hepatoprotective action of *Andrographis paniculata* *In vitro* cultured Hepatocytes. 2nd International Conference on Inter-disciplinary Research in Engineering Management, Pharmacy and Science (ICIREMPS) -2015, SIRT, Bhopal.
9. Pallav Kaushik Deshpande, Ragini Gothwal .An animal cell culture: Advance technology for modern research. National Seminar on Recent Trends in Science & Technology to be held at MPCST, Bhopal on 30-31 March 2015.
10. Pallav Kaushik Deshpande , **Ragini Gothwal**. Evaluation of hepatoprotective activity of *Andrographis paniculata* on cultured hepatocyte exposed to CCl<sub>4</sub> . National Conf on ‘Emerging Trends in Biological Sciences’ organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015.organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015.
11. Sujata Yadav, Kishor Shende. **Ragini Gothwal**. (2015). Study of structural variation at Catalytic Site of Adenylate Domain of Iturin Synthetase with respect to Amino acid change. Proceedings of National Seminar “Recent Trends in Science & Technology” organized by ISCA, Bhopal MPCST Bhopal, 30-31 March, 2015. (BIO039) pp25.
12. Kishor Shende, Ragni Pahori, **Ragini Gothwal**. (2015). Characteristics Genome Architecture Variation in *Clostridium* species. Proceedings of National Seminar

- “Recent Trends in Science & Technology” organized by ISCA, Bhopal MPCST Bhopal, 30-31 March, 2015. (BIO111) pp67-68.
13. **Prof. Ragini Gothwal**- Invited lecture on Cyanobacteria, sentinels of nature in green clean up in “National conference on Recent trends in applied microbiology, human health and environment”. March 27-28, 2015 organized by Department of Microbiology, Bundelkhand university, Jhansi, U.P
  14. Aparna Singh and **Ragini Gothwal**- abstract on “*In silico* approach for the bioremediation of fluoride compounds” in National conference on recent trends in applied microbiology, human health and environment. March 27-28,2015 organized by Department of Microbiology, Bundelkhand university, Jhansi, U.P
  15. Aparna Singh and **Ragini Gothwal**-Oral presentation on Preliminary analysis of fluoride degrading bacterial isolates in” International conference on Indian research Scenario” on 11<sup>th</sup> and 12<sup>th</sup> April,2015 at Search and research youth conclave 2015 organized by Search and Research Development Society, Bhopal, M.P.
  16. Eram Ayaz and **Ragini Gothwal**- Oral presentation on “Screening and characterization of bacterial isolates in relation to quorum sensing with reference to oil degrading potential” in” International conference on Indian research Scenario” on 11<sup>th</sup> and 12<sup>th</sup> April, 2015 at Search and research youth conclave 2015 organized by Search and research development society, Bhopal, M.P.
  17. Jyoti Singh, Pallav Kaushik Deshpande, Ragini Gothwal (2015). Stem Cell Therapy in Curing Parkinson’s Disease. Abstract book of on Translational Medicine in 21<sup>st</sup> Century “Stem Cell Transplantation: Current Status” organized by Barkatullah University Bhopal India. 11-14 April, 2015. pp34
  18. Preeti Thapak, Ragni Pachori, **Ragini Gothwal**, Kishor Shende, (2015). Stem Cell Engineering and Synthetic Biology - Hopes in Organ Development. Abstract book of on Translational Medicine in 21<sup>st</sup> Century “Stem Cell Transplantation: Current Status” organized by Barkatullah University Bhopal India. 11-14 April, 2015. pp35.
  19. Sonam Chauhan, Khushboo Tomar, Kishor Shende, **Ragini Gothwal**. (2015). Bioinformatics Resources for the study and Research in Stem Cell Engineering. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century “Stem Cell Transplantation: Current Status” organized by Barkatullah University Bhopal India. 11-14 April, 2015. pp37.
  20. Srishti Chandra, **Aparna Singh** and **Ragini Gothwal**-poster presented on cell therapy on Myocardial Infarction in "International Conference on Translational Medicine in 21<sup>st</sup> Century 'Stem Cell Transplantation: Current Status' during 11<sup>th</sup> – 14<sup>th</sup> April, 2015. Pp37-38.
  21. Pallav Kaushik Deshpande and Ragini Gothwal (2015). Passive and Active Tumor Targeting of Nanocarriers for Anti-Cancer Drug Delivery. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century “Stem Cell Transplantation: Current Status” organized by Barkatullah University Bhopal India. 11-14 April, 2015. Pp46.
  22. Rajnikant Bhargav, Anita Shinde, **Ragini Gothwal**, Kishor Shende. (2015). Metal-Drug Complexes - Potential Anticancer Therapeutics. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century “Stem Cell Transplantation: Current Status” organized by Barkatullah University Bhopal India. 11-14 April, 2015. pp47.
  23. Anjali Kawadkar, Pallav Kaushik Deshpande and **Ragini Gothwal** (2015). Phytosomes: A Novel Approach in Drug Delivery. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century “Stem Cell Transplantation: Current Status” organized by Barkatullah University Bhopal India. 11-14 April, 2015. Pp46.

24. Nisha Mishra, Pallav Kaushik and Ragini Gothwal (2015). Nanoparticles: A Novel Approach to Reduce Toxicity and Increase Bioavailability. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century "Stem Cell Transplantation: Current Status" organized by Barkatullah University Bhopal India. 11-14 April, 2015. Pp58.
25. Harris Kaushik, Kishor Shende, **Ragini Gothwal**. (2015). Current Efforts and *In-silico* approaches to combat against Ebola Virus. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century "Stem Cell Transplantation: Current Status" organized by Barkatullah University Bhopal India. 11-14 April, 2015. pp74.
26. Kajal Singh, Kishor Shende, Pankaj Rai, **Ragini Gothwal**. (2015). Hunt of Secondary Metabolites as source of Translational Medicine. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century "Stem Cell Transplantation: Current Status" organized by Barkatullah University Bhopal India. 11-14 April, 2015. pp77.
27. Rajesh Khande, Sushil K. Sharma, **Ragini Gothwal**, Pankaj K. Rai and A. Ramesh (2015). Zinc Solubilizing Pseudomonas Isolate and Their Potential To influence zinc assimilation in soybean seeds. Abstract book of International Conference on Translational Medicine in 21<sup>st</sup> Century "Stem Cell Transplantation: Current Status" organized by Barkatullah University Bhopal India. 11-14 April, 2015. Pp83.
28. Vanshika jain, Aparna Singh and **Ragini Gothwal** abstract on Air pollution leads to myocardial infarction and pulmonary disease in "International Conference on Translational Medicine in 21<sup>st</sup> Century 'Stem Cell Transplantation: Current Status' during 11<sup>th</sup> – 14<sup>th</sup> April, 2015. Pp88
29. Banergee S., **Gothwal R.**, Sao S. (2015). *Bacillus cereus* capable of Bioremediating toxic heavy metals from the Ash Dyke of thermal Power plant. Abstract book of National Seminar 'Environment and Conservation of Bio-Diversity', organised by Govt Madanlal Shukla Mahavidyalaya, Bilaspur (C.G.) (29-30 Jan 2015):pp35.
30. Shrivastava P., Dogra D., Jain T., Chaudhary R., **Gothwal R.** (2015). Phylogenetic diversity of Sikh population of Madhya Pradesh: study with forensic mini STR markers. Proc. 102 Indian Science Congress. 'New Biology' organised by University of Mumbai (3-7 Jan 2015): pp161.
31. Shende K., Nagar A., **Gothwal R.** (2015). Glycerol dehydrogenase diversity in *Lactobacillus* and *Lactococcus* species. Proc. Nat Conf on 'Emerging Trends in Biological Sciences' organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015. pp56-57.
32. Singh A. and **Gothwal R.** (2015). Study of conformation of Fluoride degrading enzyme isolated from microorganisms. Proc. Nat Conf on 'Emerging Trends in Biological Sciences' organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015. Pp23.
33. Ayaz E. and **Gothwal R.** (2015). Role of indigenous bacterial morphotypes towards bioremediation of oil contaminated soil. Proc. Nat Conf on 'Emerging Trends in Biological Sciences' organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015. Pp46.
34. Shrivastava P., Dogra D., Chaudhary R., **Gothwal R.** (2015). Population genetic using Autosomal STR Loci for a Ramgariha Sikh population of M.P. Proc. Nat Conf on 'Emerging Trends in Biological Sciences' organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015. Pp71-72.
35. Deshpande P, **Gothwal R.** (2015). Evaluation of hepatoprotective activity of *Andrographis paniculata* on cultured hepatocyte exposed to CCl<sub>4</sub>. Proc. Nat Conf on

- 'Emerging Trends in Biological Sciences' organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015. Pp81-82.
36. Khande R., Sharma S.K., Gothlwal R. (2015). Zinc-solubilizing *Pseudomonas fluorescence* from rhizosphere soil of soybean cultivated in Nimar regions. Proc. Nat Conf on 'Emerging Trends in Biological Sciences' organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015. Pp90.
  37. Basene Y. and Gothlwal R. (2015). The structural conformation of CMB in cellulose degradation. Proc. Nat Conf on 'Emerging Trends in Biological Sciences' organized by Dept Biotech Career College, Bhopal. 6-7 Feb 2015. Pp116.

#### YEAR 2016:

38. Yogita Basene and **Ragini Gothlwal**. (2016). "Agricultural waste: A Pithora of biomass degrading bacteria" proceeding of National Conference on Energy and Environmental Threats and Remedies organized by Department of Allied Sciences, Rustamji Institute of Technology, BSF Academy, Tekanpur, Gwalior Sponsored by MPCST Bhopal, 5-6 May, 2016 pp-OP07.
39. Kushwah K, **Gupta D**, Gothlwal R (2016). *In-silico* analysis of *nifH* gene as a marker for understanding evolutionary relationship of bacteria, eubacteria and cyanobacteria. Abstract in XL All India Cell Biology Conference and International Symposium on Functional Genomics and Epigenomics, **17- 19 Nov. 2016** organised by Jiwaji University Gwalior, M.P.
40. Ankita Singh and **Ragini Gothlwal** (2016). "Mycoremediation: A Technology for Bioremediation of Xenobiotic Compounds" National Conference on "Recent Advances in Science Technology & Healthcare" organized by Department of Microbiology, Career College Bhopal Sponsored by MPCST, Bhopal, 29-30 September, 2016 pp11-12.
41. Rajesh Khande, Sushil K. Sharma and **Ragini Gothlwal** (2016). Characterization of Bacillus Isolates from Rhizospheric Soils of Soybean of Nimar Region Exhibiting Zinc Solubilization and their Influence of Zinc Assimilation in Soybean Seeds. National Conference on "Recent Advances in Science Technology & Healthcare" organized by Department of Microbiology, Career College Bhopal Sponsored by MPCST, Bhopal, 29-30 September, 2016 pp 47.
42. Pallav Kaushik Deshpande and **Ragini Gothlwal** (2016). Neuronal Cells as an ideal model for neurodegenerative Diseases. National Seminar on "Challenges towards implementing CPCSEA Guidelines in Pharmacy Institutions" organized by School of Pharmacy & Research People's University, Bhopal. Sponsored by MPCST, Bhopal 1<sup>st</sup> October, 2016. (CS1009).
43. Sonali Banerjee, **Ragini Gothlwal**, Shweta Sao, Pankaj Sahu and Anushree Mishra (2016). Study of bioaccumulation in Bacterium kccssm and Bacillus subtilis isolated from ash dyke of power plant. National Seminar on "Innovations and Entrepreneurship in Biotechnology" organized by Department of Biotechnology, Guru Ghasidas University, Bilaspur, C.G. 26-27 December, 2016. Pp 110.

#### YEAR 2017:

44. Mona Shakya, **Ragini Gothlwal** and Puneet Gandhi (2017). Meta-analysis of circulating miRNAs predicts a prognostic signature for Non-small cell lung cancer. International Conference on Interface of Physical, Chemical and Biological Sciences. Organized by School of Physical, Chemical and Biological Sciences, Dr. Hari Singh Gour University, Sagar, January 11-13, 2017. Pp 130.
45. Richa Shrivastava, **Ragini Gothlwal** and Puneet Gandhi (2017). Hitting the bull's eye: detecting circulating HMGA1 expression in glioma. International Conference on

- Interface of Physical, Chemical and Biological Sciences. Organized by School of Physical, Chemical and Biological Sciences, Dr. Hari Singh Gour University, Sagar, January 11-13, 2017. Pp 145.
46. Yogita Basene and **Ragini Gothwal** (2017). Screening of the cellulose enzyme producing bacteria from flower waste soil. International Conference on Interface of Physical, Chemical and Biological Sciences. Organized by School of Physical, Chemical and Biological Sciences, Dr. Hari Singh Gour University, Sagar, January 11-13, 2017. Pp 166.
  47. **Ragini Gothwal** (2017) Dimensions of Bioengineered Materials. National Conference on Innovations in Bioinspired Smart Materials for sustainable development of Environment (IBSMSDE). Organized by Bio-Design Innovation Centre, Department of Biological Sciences, R.D. University, Jabalpur 9<sup>th</sup> October, 2017.
  48. Preeti Pachori, **Ragini Gothwal** and Puneet Gandhi (2017). Antibiotic resistance pattern of Pseudomonas isolates obtained from hospital environment. 58<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI) & International Symposium on Microbes for Sustainable Development: Scope & Application (MSDSA-2017) Organized by Department of Environmental Microbiology, Babasaheb Bhimrao Ambedkar University, Lucknow. 16-19 November, 2017. Pp. 113.
  49. Shweta Sahu, **Ragini Gothwal** and A. S. Yadav (2017). Extremophilic Cyanobacteria from central region of Madhya Pradesh India and their employability in sustainable agriculture. 58<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI) & International Symposium on Microbes for Sustainable Development: Scope & Application (MSDSA-2017) Organized by Department of Environmental Microbiology, Babasaheb Bhimrao Ambedkar University, Lucknow. 16-19 November, 2017. Pp. 181.
  50. Yogeshwari Yadav, **Ragini Gothwal** and R. K. Tenguriya (2017). Heavy metal tolerance of Bacterial isolates screened from municipal waste. 58<sup>th</sup> Annual Conference of Association of Microbiologists of India & International Symposium on Microbes for Sustainable Development: Scope & Application (MSDSA-2017) Organized by Department of Environmental Microbiology, Babasaheb Bhimrao Ambedkar University, Lucknow. 16-19 November, 2017. Pp. 160.
  51. Yogita Basene and **Ragini Gothwal** (2017). The efficacy of bacterial isolate from kitchen waste to produce electric flux. 58<sup>th</sup> Annual Conference of Association of Microbiologists of India & International Symposium on Microbes for Sustainable Development: Scope & Application (MSDSA-2017) Organized by Department of Environmental Microbiology, Babasaheb Bhimrao Ambedkar University, Lucknow. 16-19 November, 2017. Pp. 317.

#### **YEAR 2018:**

52. Ruchira Chaudhary, Ayni Swaleh and **Ragini Gothwal** (2018). Molecular Approach in Screening and Identification of Mutation in HBB Gene. National Seminar on 'Role of Science in the Development of the Society and Science Day Celebrations' Organized by Department of Zoology, Govt. of Motilal Vigyan Mahavidyalaya Bhopal 27-28 February, 2018. Pp. 71.
53. Ruchira Chaudhary, Ayni Swaleh and **Ragini Gothwal** (2018). Exon specific mutational study of HBB gene using bioinformatics approach. International Conference on Advances in Chemical Sciences and Allied Fields of Science, Health, Education & Environment. Organized by Career College, Bhopal 8-10 March, 2018. Pp.74.
54. Kailash Prasad Jaiswal, **Ragini Gothwal**, A.S. Yadav, (2018) "*The influence of environment in the distribution of toxinogenic Microcystis aeruginosa in aquatic habitats*" Proceeding National Conference on Biodiversity: Conservation &

management for sustainable development, Organized by Department of University institute of vocational studies and skill development, Rani Durgavati University, Jabalpur(M.P.) Sponsored by Shiksha Sanskrit Utthan NYAS, New Delhi, India, in Feb. 27<sup>th</sup> to 28<sup>th</sup> 2018.

55. Pallav Kaushik Deshpande and **Ragini Gothwal** (2018). Drug delivery system for improved therapeutic response at International Conference on “Nanomaterials: Initiatives and application”. Organized by Jiwaji University, Gwalior 9-11 March, 2018. Pp.43.
56. Pallav Kaushik Deshpande, Anupam Kumar Pathak and **Ragini Gothwal** (2018). Effect of nonoparticles on pharmacokinetic and phamacodynamic properties of antimaterial agents in mice. International Conference on Bio and nano technologies for sustainable agriculture, food, health, energy and industry. Organized by Guru Jambheshwar University of Science and Technology, Hisar February 21-23<sup>rd</sup>, 2018.
57. Aparna Singh and **Ragini Gothwal** (2018). Defluoridation efficiency exhibited by *acinetobacter* sp. A23 isolated from fluoride contaminated sites of Madhya Pradesh. National Conference on “Women Empowerment education, environment, biodiversity, health and agriculture”. Organized by M. P. Council of Science & Technology, March, 23-24, 2018. Pp. 60.
58. Shweta Sahu, **Ragini Gothwal** and A. S. Yadav (2018). Physico-chemical analysis of extreme agriculture soil from Bhopal and occurrence of cyanobacteria for sustainable agriculture. National Conference on “Women Empowerment education, environment, biodiversity, health and agriculture”. Organized by M. P. Council of Science & Technology, March, 23-24, 2018. Pp. 26.
59. Preeti Pachori, **Ragini Gothwal** and Puneet Gandhi (2018). “Occurrence & prevalence of Antibiotic resistance in *E.coli*. isolates from hospital waste water” on 88<sup>th</sup> Annual Session of National Academy of Sciences, India (NASI) held on 6 Dec 2018 to 8 Dec 2018 at MGCGV, Chitrakoot, Satna, M.P.
60. Kailash Prasad Jaiswal, **Ragini Gothwal**, A.S. Yadav (2018). “The influence of environment in the distribution of toxinogenic *Microcystis aeruginosa* in aquatic habitats” Presentation at 59<sup>th</sup> Annual Conference of Association of Microbiologist of India, 9-12 Dec. 2018, organized by School of Life Science, Department of Microbiology Osmania University, Hyderabad-500046, Telangana,India.

#### **YEAR 2019:**

61. Swati Sharma and **Ragini Gothwal** (2019). Green biosynthesis of metallic nanoparticle from microorganism or plants. First Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
62. Yogeshwari Yadav, **Ragin Gothwal** and R. K. Tenguriya (2019). Evaluation of heavey metal tolerance bacteria for their bioremediation ability. First Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
63. Yogita Basene and **Ragini Gothwal** (2019). Dynamic power of microbes for generate electricity from organic substrate (2019). First Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
64. Preeti Pachori, **Ragini Gothwal**, Puneet Gandhi (2019). Characterization of Antibiotic resistance E. coli. Isolates obtained from hospital environment. First

- Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
65. Rehman Rizwan and **Ragini Gothwal** (2019). Antimicrobial activity of ethnomedicinal plant extract against bacterial strains causing food poisoning diseases. First Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
  66. Kavita Peter, **Ragini Gothwal** and Puneet Gandhi (2019). Sensitization and multifaceted molecular targeting of tumor cells using glucose analog and curuminoids-a novel combination. First Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
  67. Srishti Chandra and **Ragini Gothwal** (2019). Degradation capacities of fungi for bioremediation. First Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
  68. Shweta Sahu and **Ragini Gothwal** (2019). Cyanobacteria farming for environment friendly sustainable agriculture : A practices for susceptibility of pesticides. First Research Seminar 18-19 March, 2019. Organized by Internal Quality Assurance Cell, Barkatullah University, Bhopal.
  69. Richa Tiwari, A. S. Yadav and **Ragini Gothwal** (2019). Study the Proteolytic Activity of Extremophilic Fungi Isolated from the Soil of the Copper Mines of Malajkhand. Journal of Advances and Scholarly Researches in Allied Education. Vol. 16, Issue No. 6, May-2019, ISSN 2230-7540.
  70. Shweta Sahu, A. S. Yadav and **Ragini Gothwal** (2019). "Efficient Removal & Utilization of Dimehoate by the extremophili cyanobacteria". International Conference "Advances and Innovations in Biotechnology for Sustainable Development" 5-7 April 2017. A. K.S. University, Satna.
  71. Murab Tanuja, Gothwal Ragini, Tripathi Nidhi (2019). Comparative analysis of Polyhydroxyalkanoate (PHA) production using three different media. In Souvenir of "International Conference, Recent Advances in Life Sciences, for Betterment of Environment and Human Health" held on 14-15 December 2019 at Govt. Holkar (Model, Autonomous) Science College, Indore.pp-72.
  72. Jhili Sarkar, Ragini Gothwal, Nidhi Tripathi (2019) Isolation and Identification of food borne pathogens from fresh vegetables. In Souvenir of "International Conference, Recent Advances in Life Sciences, for Betterment of Environment and Human Health" held on 14-15 December 2019 at Govt. Holkar (Model, Autonomous) Science College, Indore.pp-57.
  73. Mangesh Kumar Mankar, U.S. Sharma, Sanjay Sahay, Ragini Gothwal (2019). Studies on native Azotobacter species for the growth and yield of little millet (*Panicum sumatrense*) at Patakot area district Chindwada. In Souvenir of on "Microbes in clean environment" held on 23rd Sept 2019 organised by Dept of Microbiology, BU Bhopal.pp-22.
  74. Pooja Sharma, R. K. Tenguria, Ragini Gothwal (2019). Extraction and Purification of anticancerous metabolites from plant crude extract (*Limonium acidissimum*). In Souvenir of on "Microbes in clean environment" held on 23rd Sept 2019 organised by Dept of Microbiology, BU Bhopal.pp-7.

75. Pooja Sharma, R. K. Tenguria, Ragini Gothwal (2019). Phytochemical Analysis of *Limonia acidissima* L. leaves and stem bark. In Souvenir of "International Conference, Recent Advances in Life Sciences, for Betterment of Environment and Human Health" held on 14-15 December 2019 at Govt. Holkar (Model, Autonomous) Science College, Indore. pp-60.
76. Rashmi Bathri, Ruchira Choudhary, Ragini Gothwal (2020). Innovative Role of Paraoxonase-1 in COPD Management. In Souvenir of "International Conference on Environmental Pollution and Health Management" (EPHM-2020), held on 28-29 February 2020 at Career College, Bhopal. pp-26.
77. Jhili Sarkar, Ragini Gothwal, Nidhi Tripathi (2020) Preventive and Therapeutic effect of Hydroalcoholic extracts of *Asparagus racemosus* targeting Foodborne Pathogens. In Souvenir of "International Conference on Environmental Pollution and Health Management" (EPHM-2020), held on 28-29 February 2020 at Career College, Bhopal. pp-33.
78. Pooja Sharma, R. K. Tenguria, Ragini Gothwal (2020). Phytochemical screening of *Limonia acidissima* L. fruit. In Souvenir of "International Conference on Environmental Pollution and Health Management" (EPHM-2020), held on 28-29 February 2020 at Career College, Bhopal. pp -49.
79. Jhili Sarkar, Ragini Gothwal, Nidhi Tripathi (2020). Bacteriological Analysis and Identification of Enterobacteriaceae isolated from Fresh Vegetables. In Abstract Book of 6<sup>th</sup> International Conference on Environment and Ecology (ICEE 2020) (ISBN: 978-81-943461-2-8) held at University Of Allahabad, Prayagraj, Uttar Pradesh, India.
80. Mangesh Kumar Mankar, U.S. Sharma, Sanjay Sahay, Ragini Gothwal (2020). Extraction and In Vivo Mass Multiplication of Native Arbuscular Mycorrhizal Fungi from Agriculture Soil. In Abstract Book of 6<sup>th</sup> International Conference on Environment and Ecology (ICEE 2020) (ISBN: 978-81-943461-2-8) held at University Of Allahabad, Prayagraj, Uttar Pradesh, India.
81. Articles Published on 14th Nov 2019 in "Smarika 2019" A souvenir printed on 130th birthday of Pt. Jawaharlal Nehru Ji by Barkatullah University, Bhopal on the theme "Nehru aur Shiksha" with the topics and authors name as under:  
Prof. Ragini Gothwal and Ashwini Mishra- Pandit Jawaharlal Nehru- 'Ek Mahan Vyaktitva' pp-7.