



Dr Samta Shukla (M.Sc., PhD, NET)

Guest faculty
Centre for Biotechnology & Microbiology Studies
APS University , Rewa MP India

19/585, Vivekanand Marg,
Ghoghar REWA M.P India
Mobile no. +91-9407061149
Mail Id : samtashuklamb27@gmail.com
drshuchita27@yahoo.co.in

Research Experience – 5 years experience of research in Microbiology lab of S.S.Medical College Rewa during PhD work .

Teaching Experience (14⁺ Years)

1. Chaurasia Paramedical Institute Rewa M.P. (5years).2004-2009
2. Govt T.R.S.College Rewa M.P (2 years) as Guest Faculty 2009-2011
3. A.P.S University Rewa M.P (12 years) as Guest Faculty from 2011 till date

Present Status – Working as faculty of Microbiology and Biotechnology at Center for Biotechnology/Microbiology Studies, A.P.S University Rewa

About Myself -- Dedicated, Devoted and Determined to my work and duty. I can handle tasks with patience and skill. Always try to learn new things irrespective of person's age or experience because things can be learnt from anyone. Take life as a challenge so there is always a scope for improvement.

Skills/Work Involved

- Teaching Bacteriology, Virology, Mycology, Medical, Industrial, Environmental, Agriculture, Food and Dairy microbiology and Molecular Biology to Bachelors, Masters, MPhil and Pre-PhD students.
- Supervision of Masters, M.Phil and PhD Students in Laboratory work and Dissertations
- Organizing seminar and other curricular activities.
- In-charge Microbiology Lab
- In-charge Library ,Center for Biotechnology Studies A.P.S University Rewa
- Regular Experiments in Antimicrobial activity of herbs and Antibiotics on Pathogenic microbes
- Standardization of Protocols and microbial analysis of clinical samples
- **Member of Cultural Committee, A.P.S.University Rewa M.P.(Year-2022-23)**

Techniques know

- Media Preparation
- Sterilization
- Culture
- Isolation
- Staining
- Identification through Biochemical reactions

- Microscopy(Light and Electron microscopy)
- Serological tests
- Antimicrobial sensitivity tests
- Isolation of Bacterial, Fungal,Viral and Human DNA
- Electrophoresis
- Haematological tests like Hb,PCV,ESR,CBC,Absolute indices
- Biochemical tests like Glucose Estimation,Bilirubin,SGOT ,SGPT
- ELISA
- PCR

EDUCATIONAL QUALIFICATION

- ICAR-NET qualified in year December 2015
- PhD in Medical Microbiology

From S.S.Medical College, Rewa affiliated with A.P.S. University, Rewa M.P Awarded in year 2006.

On the topic – *Microbial Analysis In Chronic Lung Diseases IN And Around Rewa*

- **Master Of Science in Applied Microbiology and Biotechnology**

Year of passing 2000 with **First Div, 67.3%**

University : Dr Hari Singh Gaur University Sagar. M.P

- **Bachelor Of Science**

Year of passing 1998 with **First Div,75.3%**

University: A.P.S .University Rewa M.P

Subject : Biochemistry, Zoology and Botany

Masters Thesis – 6 month Dissertation on topic “*To see incidence of Escherichia Coli in urine sample of community and to study the etiology and to observe its multidrug sensitivity from its isolation and identification*” during 1st july to 31st August 1999 (2 months) from **All India Institute Of Medical Sciences (AIIMS) New Delhi**

ADDITIONAL QUALIFICATIONS

1. 2 years Diploma in Medical Laboratory Technology (**DMLT**) Passed with First Div 73.4% marks from Chaurasia Paramedical Institute, Jail Road Rewa affiliated with A.P.S University Rewa M.P
2. Basic and Advance course in **Electron Microscopy** during the 17th National Training Programme in Electron Microscopy for Scientific Investigators from Anatomy Department of AIIMS New Delhi from 28.01.2002 to 16.02 .2002.

Conference Attended

- Presented Paper in National Conference on Biodiversity and Biodiversity held at M.S Golwalkar Science College Rewa (13-14 March2012)
- Presented Paper in National Conference entitled “Role of New Technologies in conversation of environment held at School of Environmental Biology ,A.P.S University Rewa M.P(23-24 March 2012)

- Participated in National Day Seminar entitled “Role of Genetically Engineered Microorganisms in Crop Improvement” at School of Environmental Biology ,A.P.S University Rewa M.P(12 April 2013)
- Presented Paper in National Conference on Biotechnology ,Biodiversity & Environment held at M.S Golwalkar Science College Rewa (19-20 April 2013)
- Presented Poster in National Conference on “Emerging Trends & Application of herbal medicine “ held at Department of Pharmaceutical ,AKS University Satna (10-11 August 2013)
- Attended National Symposium on “Recent Trends in Microbial Diversity Research” on 28th November 2013 at AKS University Satna M.P
- Attended International Conference on “Frontier Discoveries And Emerging Opportunities In Life Sciences” on February 13-15 2014 at Dr HS Gaur University Sagar M.P

Trainings and Hands On experience

- Participated in National Workshop on “Genomic and Bioinformatics” on 28 Nov -4 Dec 2014 at AKS University Satna M.P.
- Participated in National Workshop on “Recent Advances and Significances of Microbial Biotechnology” on 24-30 Dec 2013 at Govt TRS College Rewa M.P

Invited for Expert Talk /Guest Lecture

- Expert lecture delivered on the topic “**Infection and Diseases**” in the lecture series organized by M.S Golwalkar Science College Rewa on dated 17 January,2023.

Paper Published

1. **Samta Shukla ,CB Shukla** “*Microbial Pattern in Acute Exacerbation of Chronic Obstructive Pulmonary Diseases in and around Rewa and their relation with Lung Function*” National Conference (Proceeding) on Role of New Technologies in Conservation of Environment. March 2012 SEB A.P.S University Rewa M.P
2. **Arvind Kumar Tripathi ,Smriti Shukla ,Mrigendra Kumar Dwivedi,Jitendra Kumar Tripathi ,Samta Shukla ,U.K Chauhan ,Manoj Indurkar ,Sher Singh Parihar.** “*Obesity and Ectonucleotide Pyrophosphatase /Phosphodiesterase 1 (ENPPI) Polymorphism and their association with Pathophysiology Diabetes Type2 in central Indian Population.*” Journal of Diabetic and Endocrinology (International Journal),Vol 4(2) ,pp.19-26,February 2013 .Available online at DOI:10.5897/JDE12.018 <http://www.academicjournals.org/JDE>
3. **Samta Shukla , Arvind kumar Tripathi ,UK Chauhan.** “*Evaluation of Antimicrobial effect of Allium cepa and Zingiber officinale on Streptococcus mutans isolated from Dental Caries of Humans*”. Periodic Research International journal, ISSN No.2231-0045, Vol 2, issue II, pp.20-26,November -2013,<http://www.socialresearchfoundation.com>
4. **Samta shukla.** “*Antimicrobial activity of AloeVera gel on Porphyromonas gingivalis isolated from Periodontal Diseases*”. “. National Conference (Proceeding) on “Current trends and Future Challenges in Biotechnology and Biomedicine for Human Welfare and SustainableDevelopment”.ISBN:978-81-928063-6-5,2014(Part-2),Govt.NewScience College Rewa .

5. Shrikant kol,Amit Pandey, Bharat Choudhary,S.S.Parihar,A.K.Tripathi, J.K.Tripathi, Shivam Singh, Samta Shukla and U.K.Chauhan. “*Identification of Microbes Related to Crude Oil Components Consumption and Optimization of their Growth Parameters*”. International Journal of Development Research,ISSN:2230-9926,Vol.4,Issue,11,pp.2437-2441,November,2014
6. Sweta Tiwari,Rashmi Arnold, Jai Prakash Pandey and Samta Shukla. “*Association of Aldosteron Synthase CYP11B2C-344T) Gene Polymorphism Susceptibility to Essential Hypertension in a Central India Population*”. International Journal of Pharmacy and Life Sciences, ISSN:0976-7126,5(10):Oct.,2014:3927-3931
7. Samta Shukla & Shrikant Kol. “*Evaluation of Inhibitory Effect O f Azadiricta indica By Optimized Concentration Against Dental Pathogens; Isolated from Infected Tooth*”. International Journal of Advance Research, IJOAR.org, Vol. 5,Issue 3,March 2017,Online: ISSN 2320-9186
8. Arti Dwivedi, Sonali Shrivastava, Samta Shukla, “*Screening Of Multidrug Resistance(MDR) and High Rates Of ESBL- Producers Among Uropathogenic Escherichia coli in Children From Vindhyan Region*”. Vindhyan Bharti (Multi-Disciplinary Research Journal) Approved by UGC, Vol 15 No 1, December 2017(Science), ISSN 0976-9986
9. Samta Shukla, C.B. Shukla, “*Microbial Analysis in Acute Exacerbation of Chronic Obstructive Pulmonary Diseases and Their Association With Severity Of Lung Function And Respiratory Acidosis*”. World Journal Of Pharmacy and Pharmaceutical Sciences, SJIF Impact factor 6.647, Vol 6, Issue 8, 2396-2406, ISSN 2278-4357
10. Sonali Shrivastava, Arti Dwivedi, Samta Shukla, “*Screening, Isolation and Characterization Of Cellulase Enzyme Isolated From Soil Bacteria Of Vindhyan Region*”. International Journal of Research and Analytical Review (IJRAR),May 2019, Vol 6, Issue 2, WWW.ijrar.org (E-ISSN 2348-1269, P-ISSN 2349-5138)
11. Samta Shukla, C.B. Shukla, “*Role of Comorbidities in Establishment of Pulmonary Mycosis In Chronic Obstructive Pulmonary Disease Patients In And Around Rewa*”. Indian Journal Of Pure and Applied Biosciences (2020) 8(3),114-122, ISSN: 2582-2845, Available online at www.ijpab.com DOI:http://dx.doi.org/10.18782.2845.7923

Abstarct Published

1. Arvind Kumar Tripathi,Smriti Shukla,Jitendra Kumar Tripathi,Mrigendra Kumar Dwivedi,Samta Shukla,UK Chauhan. “*Obesity and ENPPI Polymorphism And Their Association With Pathophysiology Diabetes Type2 in Central Population*”. VIIIth National Conference on Recent Advances in Biodiversity Conversation ,Biotechnology and Environmental Management Research ,April 2013,Govt M.S Golwalkar College Rewa .
2. Arvind KumarTripathi ,Smriti Shukla,Jitendra Kumar Tripathi,Mrigendra Kumar Dwivedi,Samta Shukla,Pranav Mishra ,Nishant Joshi,Neha Singh,UK Chauhan,DN Pandey. *In vitro Crop Improvement Of Sp.By Advances In Micropropagation .” ”*. VIIIth National Conference on Recent Advances in Biodiversity Conversation ,Biotechnology and Environmental Management Research ,April 2013,Govt M.S Golwalkar College Rewa .
3. Samta Shukla ,Arvind Kumar Tripathi,Jitendra Kumar Tripathi,Shivam Singh,Sher Singh Parihar, Atul Bhalla ,UK Chauhan . “*Antimicrobial Activity of Aloe vera gel on Porphyromonas gingivalis isolated from Periodontal Diseases.*”

PERSONAL PROFILE

Name : Dr Samta Shukla
Date Of Birth : 27/04/1977
Father's Name: Late Shri BP Shukla
Mother's Name: Smt Pratibha shukla
Husband's Name : Dr Sudhakar Pandey
Gender : Female
Nationality : Indian
Languages known: Hindi, English
Marital status : Married
Hobbies : Travelling , Singing , Listening to music, Cooking

REFERENCES

1. Dr C.B Shukla
Ex Prof & Head, Department of Microbiology
S.S Medical College Rewa M.P
Email ID : cb.shukla@yahoo.com, Ph.No.09424721999
2. Prof Naveen Kango
Head, Department of Microbiology
Dr.H.S. Gaur University, Sagar, M.P.
nkango@gmail.com Ph No. 9425635736
3. Prof. R. M Mishra
Ex vice –chancellor APS University Rewa
Head of School of Environmental Biology
APS University Rewa, Ph.No. 09424338424
4. Prof (Mrs.) U.K Chauhan
Ex Co-ordinator School of Biotechnology Studies
Awadhesh Pratap Singh University Rewa M.P
Email ID : Chauhanu@rediffmail.com, Ph.No.09893488375
5. Prof. V. K Shrivastava
Ex Additional Director and Principal, Govt Girls Degree College Rewa M.P
Ph No. 07662- 240228

Place : Rewa

Dr Samta Shukla

Date :

M.Sc., NET, PhD (Medical Microbiology)

Ph- 09407061149