

BIO DATA

Dr. Udit Singh

D/O Mr. Suresh Singh

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Career Objective

By perusing my knowledge of biotechnology I would like to do work in the favor of humanity by which help to improve their health care & also improving my personal development.

Present status

Working as a Faculty of Biotechnology at Centre for Biotechnology Studies, A.P.S. University Rewa from July 2017.

Academic Qualification

- **Ph.D. in Biotechnology**
A.P.S. University, Rewa (M.P.) in Year 2022
- **Qualified State Eligibility Test (SET) For Assistant Professor**
Madhya Pradesh Public Service Commission
(Life Science) 2018
- **Qualified ICAR NET lectureship**
(Plant Biotechnology) November 2016
- **Master of Philosophy in Biotechnology**
Year of passing: 2014 with A Grade 8.81 CGPA University 1st Rank in university
University: A. P. S. University, Rewa, M.P.
- **Master of Science in Biotechnology**
Year of passing: 2013 with First Div. (78%) University 2nd Rank in university
University: A. P. S. University, Rewa, M.P.
- **Bachelor of Science**
Year of passing: 2011 with First div. (79%)
University: A.P.S. University, Rewa, M.P.

- **Higher Secondary**

Year of passing: 2008 with First Div. (85.3%)

M.P. Board Bhopal.

Subject: Biology Group

- **High School**

Year of passing: 2006 with First Div. (83%)

Research Experience

1. Ph.D. in Biotechnology

Title of Research work–“Study on Association of Inflammatory genes Polymorphism and serum Cytokine level in susceptibility to Diabetes Type 2” from Centre for Biotechnology studies A.P.S. University Rewa.

2. M.Phil in Biotechnology

Title of Research work- “Study on association of genetic polymorphism of ABCA1 and serum TSH level in susceptibility to diabetes type 2: A Case control study on population of Central India” from Centre for Biotechnology studies A.P.S. University Rewa (Jan-June 2014).

3. M.Sc. Dissertation entitled “Instrumental and Chemical analysis of ‘Lariago’ antimalarial drug (chloroquine Phosphate) from IPCA Laboratories Ltd. Pithampur Indore. (Jan to June 2013)

Awards and Fellowships

1. State Eligibility Test (SET) For Assistant Professor

Madhya Pradesh Public Service Commission (Life Science) 2018.

2. ICAR NET lectureship

(Plant Biotechnology) November 2016.

3. Central Sector fellowship (Ministry of Human Resource and development) for merit students during 2008-2013.

4. Got 2nd Prize in poster Presentation in Intercollegiate competitive events on Biotechnology organized by Centre for Biotechnology Studies A.P.S. University Rewa Sponsored by M.P. Biotechnology Council Bhopal.

Training and hands on experience

- Hands on training “Enzyme & Enzyme technology” from the school of biotechnology Devi Ahilya University Indore organized by MP Biotechnology Council Bhopal.
- Attended 7 days hands on workshop on “Science popularization & malnutrition and human health” organized by MPCST Bhopal at Department of botany and Biotechnology Govt. New Science College Rewa 07-13 April 2015.
- Attended 2 days hands on workshop on “Techniques in Molecular Biology” organized and Demonstrated by – HiMedia Laboratories Pvt Ltd at Centre for Biotechnology studies A.P.S. University Rewa 17-18 February 2017.
- Member, organizing committee 3 days workshop & competitive events at A.P.S. University Rewa, 26-28 March 2018

Conference Attended

- Attended National conference on Biodiversity and Biodiversity held on M.S. Golwalkar science college, Rewa (13-14th March 2012).
- Attended National conference entitled “Role of New Technologies in conservation of environment held on school of Environmental Biology, A.P.S. University, Rewa (23-24th March 2012).
- Presented Research Paper “Green Tea- A Potent Modulator for Chemoprevention” in National conference entitled “Biotechnology for common man: Present and future prospects” at TATA College, Sidhi (29-30th March 2014).
- Presented paper entitled “Glycine max- A Potent Modulator for Chemoprevention” in national conference on Biodiversity and Biotechnology held on M.S. Golwalkar College Rewa (26-27th April 2014).
- Presented Research paper entitled “Antioxidant and Chemopreventive effects of Glycine max in DMBA induced Murine model system” in national conference on Frontier discoveries and emerging opportunities on Medicinal plants, Environment, Biotechnology, Ayush and Biomedicine for Human health and sustainable development held on M.S. Golwalkar College Rewa (25-26th March 2017).
- Presented Research paper entitled “ABCA1 (C69T) Gene Polymorphism and Serum TSH level in Susceptibility to Diabetes Type 2: Study on Central Indian Population” in national conference on “Toxicological Effects on Biodiversity and Natural Resources- Causing Changes in the Environmental Scenario” held on Govt. Girls P.G. College, Rewa (M.P.)

- Presented Research paper entitled “Association of IL-1RN polymorphism with Diabetes type 2 in Central Indian population” in national conference on “Biodiversity and Sustainable Development” held on Govt. P.G. College, Seoni (M.P.)
- Presented a poster in international conference on Advances and Innovations in Biotechnology for Sustainable Development held on A.K.S. University Satna (5-7 April 2019)

Research Paper Published

- **Udita singh**, Arvind Kumar Tripathi, Jitendra Kumar Tripathi, Sher Singh Parihar, Rishabh Dev Saket, Ugam Kumari Chauhan, Pallavi Indurkar, Manoj Indurkar: ABCA1 (C69T) Gene Polymorphism and Serum TSH level in Susceptibility to Diabetes Type 2: Study on Central Indian Population. *Journal of International Research in Medical and Pharmaceutical Sciences* 2015, 5(4): 152-160.
- **Udita Singh**, Pallavi Indurkar, Arti Saxena, Pankaj Mishra, Arvind K Tripathi: Association of IL-1RN polymorphism with diabetes type 2 in Central Indian Population. *Journal of Biological Sciences and Medicine* 2016, 2(3): 6-13.
- **Udita Singh**, Pallavi Indurkar, Arti Saxena, Jitendra Kumar Tripathi, Pranav Mishra, Narita Singh and Arvind Kumar Tripathi: Anticarcinogenic effects of Soybean (*Glycine max*) in Mouse model System. *Journal of Biological Sciences and Medicine* 2017, 3(2): 9-13.
- **Udita Singh**, Jitendra Tripathi, Arti Saxena, Arvind Kumar Tripathi. Role of Environmental and Life style factors in Susceptibility to Diabetes Type 2, 2017 Vindhya Bharti Vol 15 No.II, 178-180.
- **Udita Singh & Arti Saxena**: “Association of TNF- α polymorphism with type 2 diabetes in Vindhyan region” *International Journal of Research and Analytical Reviews (IJRAR)* 2020, 7(3):660-669
- Narita Singh, **Udita Singh**, Arti Saxena: An association study of genetic polymorphism of TSHR D727E with hypothyroidism: A study from central India. *International Journal of Biology Research* 2017, 2(2): 82-87.
- Narita Singh, **Udita Singh**, Arti Saxena, Arvind K. Tripathi, Rishabh D Saket: An association study of genetic polymorphism of CTLA-4 A49G with hypothyroidism: A study from Central India. *International Journal for Scientific Research & Development* 2017, 5(4): 2321-0613.
- Pallavi Mishra, Poorva Shrivastava, **Udita Singh**, Arvind Kumar Tripathi, Rahasya Mani Mishra (2018) Role of Insertion/deletion polymorphism of ACE gene in hypertension in vindhya region. *IJPLCP* 9(7) 5836-5838.
- Neha Singh, Arti Saxena , **Udita Singh**, Jitendra K. Tripathi, Vikas Khare and Arvind K. Tripathi (2018) Study on Association of Genetic Polymorphism of Inflammatory gene IL-1B

in susceptibility to Asthma: A case control study on population of Central Indian Region.9(11 & 12) 59545958.

- Jitendra Kumar Tripathi, Arvind Kumar Tripathi, Smriti Shukla, Pranava Mishra, **Udita Singh**, Ugam Kumari Chauhan, Devendra Nath Pandey.(2020) “The role of Cytochrome P450 (CYP) gene associated with cancer susceptibility in native population of Vindyan region.”international journal of research and analytical reviews(IJRAR),7(4),543-553.
- Poorva Shrivastva, Rashmi Arnold, Pallavi Mishra, Jitendra Kumar Tripathi, **Udita Singh** and Arvind Kumar Tripathi.(2018) “A Study of IL-18 Polymorphism with Rheumatoid Arthritis in Central Indian population.”
- Arpana Mishra, Alpana Mishra, **Udita Singh**, Santosh Agnihotry “A Study of VDR FokI Polymorphism in Osteoporosis Susceptibility in Central India” *IJSART* 2018, Volume 4 Issue 2: 2395-1052.

Paper published in proceeding of conference

- Udita Singh, Arti Saxena, Arvind kumar Tripathi, (2018) “Antioxidantive and Chemopreventive Effects of Glycine max in DMBA Induced Murine Model System” National conference on Medicinal Plants, Environment, Biotechnology, AYUSH and Biomedicine for Human Health and Sustainable Development. (ISBN: 978-81-928063-8-9)

Technical Skills

Molecular Biology

- DNA isolation, from human blood sample.
- electrophoresis
- PCR

Immunological Techniques

- ELISA
- Haemagglutination test.
- Double diffusion assay,
- blood grouping

Biochemistry

- Qualitative and quantitative estimation of nucleic acids and proteins
- SDS Page,
- Agarose gel electrophoresis.
- TLC, gel filtration chromatography.

Microbiology

- Plating, pouring, streaking ,inoculation
- Culturing of microbes
- Staining, maintaining of microbial culture.

Computer Skills

- Post graduate diploma in computer applications (P.G.D.C.A.).
Year of passing: 2016 with First Div. (74.2%)
M.C.U. Bhopal.

Known computer Packages

- MS-DOS, MS-OFFICE ,Internet Applications, Programing in C, Visual Basic, windows97/XP, foxpro, tally 5.4, bioinformatics applicable software.

Bioinformatics and Statistical Softwares

- Blast, Fasta, Primer 3 (Primer Designing), Statistical softwares (Prism 3.0-5.0, Graphpad, Sigmasat, SPSS)

My Strengths:

- Self Confidence
- Positive approach
- Adaptable to changes
- Ability to learn new Technologies

Personal Profile

Name	: Dr. Udit Singh
Date of Birth	: 26/11/1990
Father's Name	: Mr. Suresh Singh
Mother's Name	: Mrs. Vibha Singh
Gender	: Female
Nationality	: Indian
Marital Status	: Married
Languages Known	: English and Hindi
Hobbies	: Painting, Singing

References

Prof. R.M. Mishra

Professor and Ex Vice-chancellor
A.P.S. University Rewa(M.P.)
Email: rmmishraeb@gmail.com

Prof. (Mrs.) U.K. Chauhan

Retired Professor and Head of the department,
Centre for Biotechnology
A.P.S. University Rewa [M.P.]
Phone no.-07662-233318

Dr. (Mrs.) Arti Saxena

Professor of Zoology
Govt. Model Science College Rewa (M.P.)
Mob .No. – 9424338578

Declaration

I **Dr. Udita Singh**, hereby declare that all the above written particulars are true to the best of my knowledge and belief.

Place: Rewa

Date:

Dr. Udita Singh
