

CURRICULUM VITAE

Dr. AJAY KUMAR SHUKLA

Department of Microbiology
Ch. Charan Singh University
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Permanent Address:

Shri Gandhi Ashram Suraj Kund Road Garh Road Meerut (U.P) - 250002

Field of Interest:

Web Engineering / Designing: HTML, CSS, JavaScript, PHP, MySQL, Interface Designing, Spring Framework, Web server, Web Hosting, Dreamweaver and knowledge of AI (Artificial Intelligence)

Networking: Cluster Mechanism of Wireless Sensor Networking, OSI Model, Ethernet, Hubs, Router component, Modems, TCP/IP, DNS, VLAN, SSL (Secure Socket Layer), VPN (Virtual Private Network), DHCP (Dynamic Host Configuration Protocol), HDLC (High Level Data Link Control) and Client-Server Architecture.

Programming: C, C++, C#, Java, Visual Basic, PERL, JSP, Android, SQL, IOS, JDBC, MySQL, PHP.

Bioinformatics: Biocomputing Programming, Biological Database, Sequence Analysis, Bioinformatics tools, Modeling softwares and Bioinformatics related websites.

Research Field: Bioinformatics & Computational Analysis.

Research Project: An Efficient Cluster Mechanism for Wireless Sensor Networks: Analysis and Design.

Academic Record:

Ph.D.:	OPJS University Churu, Rajasthan
M.Sc. (IT):	Punjab Technical University Jalandhar, Punjab
PGDCA:	AISECT University Bhopal (MP)
B.Sc.:	D.D.U. University Gorakhpur (UP)
Higher Secondary:	Shivaji Inter College Khukhundoo, Deoria (U.P.), UP Board Allahabad
Secondary:	Shivaji Inter College Khukhundoo, Deoria (U.P.), UP Board Allahabad

Teaching Experience (more than 18 years):

Department of Microbiology, CCS University Campus Meerut (UP), since September 2003- till now.

Professional Experience/ Consultancy Projects:

I have developed a website for different Institutions and Organizations. Something like this -

1. Dr. Singh Test Tube Baby Centre Meerut (UP)
website: www.drsmith.in, www.nzic2016.com
2. APCOT IVF Noida (UP)
website: www.apcotivf.com
3. Department of Microbiology, CCS University Campus Meerut (UP)
website: www.microbioccs.org

M.Sc. Project Supervised:

- Computational Analysis of Homology of Human Heat Shock Proteins between Plants and Human; Class- M.Sc. Bioinformatics; year-2015

Membership of Scientific / Engineering Bodies:

- IEEE (Institute of Electrical and Electronics Engineers) website: www.ieee.org

Present Assignments in CCS University Campus Meerut:

- ✓ Teaching Faculty in the course of M.Sc. (Bioinformatics, Applied Microbiology, Medical Microbiology and B.Sc. Food Microbiology) of Department of Microbiology.
- ✓ Assistant Controller of Medical Answer Books Evaluation Centre, CCS University campus Meerut from more than one year.
- ✓ I take guest lecturers of bioinformatics in different departments of the university such as Zoology Department, Plant Protection Department and Genetics and Plant Breeding Department from more than four years.

Assistance to University Administration Work:

- ✓ As an Assistant Controller of Medical Answer Books Evaluation Centre.
- ✓ Member of the disciplinary committee for the prevention of ragging.
- ✓ Internal Flying Squad of Centralized University Campus Examination.
- ✓ Invigilation of Centralized University Campus Examination and Entrance Examinations.
- ✓ Examiner appointed to practical examination in affiliated colleges of University.
- ✓ Examiner appointed to theory examination from more than six years.
- ✓ Guest lecturer appointed of various departments of university campus and affiliated colleges.

List of Research Publications:

1. Ajay Kumar Shukla and Yogesh Pal (June-2018) The analysed cluster mechanism based on the cluster algorithm in wireless sensor network within heterogeneous mode of application; Avyukta International Journal of Multidisciplinary Study & Re-Search, ISSN:2455-9776, www.aijmss.com; pg: 59-66
2. Ajay Kumar Shukla and Yogesh Pal (June-2018) Wireless Sensor Network Protocol for Sector Based Multi Hop Clustering Technique; Avyukta International Journal of Multidisciplinary Study & Re-Search, ISSN:2455-9776, www.aijmss.com; pg: 67-75
3. Bhashkar Tripathi, AK Mishra, Soma S Marla, Ajay K. Shukla, Shashank Rana and Reetu Gaur (December-2018) Design and Development of Plant Resistance Gene Database; European Journal of Pharmaceutical and Medical Research (EJPMR), ISSN:23943211, www.ejpmr.com; pg: 242-247
4. Reetu Gour, AP Garg, and Ajay Kumar Shukla (2017) Efficient Identification of Novel Antifungal Compounds Targeting Cytochrome-B of *FusariumOxysporumf.sp. Lycopersici* by Virtual Screening and Statistical Analysis; JETIR1704082, www.jetir.org; pg: 363-368
5. Reetu Gour, Ajay Kumar Shukla and Rahul Sharma (2017) Impact of Digital India Program in the Development of Indian Economy; Socio Economic Transformation; pg: 19-29
6. Ajay Kumar Shukla, ReetuGour and Rahul Sharma (2017) Impact of Cashless Society on the future of India ; Socio Economic Transformation; pg: 48-59
7. Reetu Gour, AP Garg, and Ajay Kumar Shukla (2017) Search for Novel Antifungal Compounds Targeting Cytochrome-B of *FusariumOxysporumf.sp. Lycopersici* by Virtual Screening; TASSARD-India, 2017; pg: 138-139
8. Ajay Kumar Shukla, ReetuGour, Anu, Bharti and A.P. Garg (2017) Computational Analysis of Homology of Human Heat Shock Proteins between Plants and Human; VEGETOS www.Vegetosindia.org and AARDO www.aardo.org
9. Shalu, Reetu Gour, Ajay K. Shukla and Amar P.Garg (2017)Computational Analysis of Wheat Transcription Factor; National Seminar on Microbes and Human Welfare, Jaipur, 2017; pg: 47
10. ReetuGour, Amar P.Garg, andAjay K. Shukla (2017) Search for Novel Novel Natural Cathepsin L Inhibitors Through QSAR Modeling; National Seminar on Microbes and Human Welfare, Jaipur, 2017; pg: 46

11. Bhashkar Tripathi, Amar P.Garg, and Ajay K. Shukla (2017) Search for Novel Novel Natural Cathepsin L Inhibitors Through QSAR Modeling; National Seminar on Microbes and Human Welfare, Jaipur, 2017; pg: 46

Workshop Organized:

7-10 days workshop organized on “Web Designing” Bioinformatics, Department of Microbiology, CCS University Campus Meerut.

Workshop/Seminars (National/International)Presented/attended:

1. Attended in in Three days workshop on “Tools and Techniques in Bioinformatics” ICAR-IARI, New Delhi, March-2018
2. Attended in one day National Workshop on “Leadership Skills” organized by ICT academy, Chennai, Hosted by CCS University, Meerut, July-2018
3. Paper presented in National Seminar on “Recent Technological trends in environmental issues: Needs & Challenges” on the topic “Effect of Phytopathogenic Bacteria on Plants” KCS & IT, Bijnor, UP-January-2018
4. Poster presented in Three days National Seminar on “Microbes and Human Welfare” Jaipur National University, Rajasthan-September 2017.
5. Attended in two days workshop on “Application of Bioinformatics Tools in Agriculture”, ICAR, IARI, New Delhi– 2017
6. Poster presentation in two day International Conference on “TASARD-India, 2017” New Delhi
7. Oral presentation in two day National Conference on “Demonetization, Digital India and Cashless Economy: A Socio Economic Transformation” IBS, CCSU campus Meerut 2017
8. Attended one day National seminar on “Opportunistic Human Pathogens” Department of Microbiology, CCS University campus Meerut 2016
9. Attended in two day national seminar on “Challenges in Plant Sciences: Now and Then” Department of Botany, CCS University campus Meerut 2015
10. Attended in two day workshop on “Recent Trends in Life Sciences” College of Applied Education and Health Sciences, Meerut 2010

Other Certificates:

- India Scouts & Guides (U.P.) held on 18-02-1991 to 20-02-1991 at State main center goal market, Lucknow (U.P.)
- Debate Competition Mandiliya Scouts/Guides 1990, Seventh Mandal – Gorakhpur. (U.P.)
- Participate in IT – Quiz Competition organized by DIMS, Meerut (Approved by- AICTE & UPTU, Lucknow).

Personal Information:

- **Father's Name** : Shri Chandra Bhushan Shukla
 - **Mother's Name** : Smt. Maina Devi
 - **Date of Birth** : April 8th 1979
 - **Sex** : Male
 - **Nationality** : Indian
 - **Marital Status** : Married
 - **Language Known** : English, Hindi
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Strengths:

- Expertise in solving problems of Institution
 - Strong communication skill
 - Able to handle work pressure
 - Takes initiative
 - Fast learner
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References:-

1. Prof. Y. Vimala

Pro VC, Dean Faculty of Science
Head, Department of Microbiology
CCS University Campus Meerut
Mob. 9411905180
Email. yvimala17@gmail.com

2. Dr. A. K. Mishra

Principal Scientist and Head
AKMU, IARI, New Delhi
011-25842490, 9540475626
Email. akmishra.usi.iari@gmail.com

(AJAY KUMAR SHUKLA)

Date:

Place: Meerut