

# MANVENDER SHARMA

829-F, Sector-18 HUDA, Yamunanagar, Haryana (INDIA)  
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## **OBJECTIVE**

Innovative Microbiologist with National Innovation Award and academic specialization in immunology, molecular genetics, cell biology and biochemistry with research experience in various labs across the country. A rich experience of teaching life sciences and mentoring students preparing for UPSC, NDA, HCS and other State Service examinations. Business development experience in one of the leading edutech companies. Passionate about learning new scientific skills. Enthusiastic team player, adept at providing leadership while also learning from fellow team members. Experienced in managing multiple projects simultaneously. Effective communicator and teacher who can conceptualize complex biological topics to audiences with varied expertise.

## **EDUCATION**

| Years     | Qualifying degree                | University/Board                    | College/Institute                            | Percentage/CGPA |
|-----------|----------------------------------|-------------------------------------|--|-----------------|
| 2017-2019 | Masters in Microbiology          | Kurukshetra University, Kurukshetra | Department of Microbiology, KUK, Kurukshetra | 7.93 CGPA       |
| 2014-2017 | Bachelors in Biological Sciences | Kurukshetra University, Kurukshetra | M.L.N College, Yamunanagar                   | 75.7%           |
| 2012-2014 | Higher Secondary Education       | C.B.S.E.                            | S.V.P.S. Yamunanagar                         | 80%             |
| 2010-2012 | High school Education            | C.B.S.E.                            | S.V.P.S. Yamunanagar                         | 9.6 CGPA        |

## **EXPERIENCE**

- **Paramount Education Limited**  
Faculty / Content Manager (2019- Present)
- **Accenture**  
Life Science Analyst (3-month internship)
- **GURUQ** (2019-2020)  
Online Certified Tutor

- **Oscar Remedies, Haryana (2019)**  
Project Trainee  
Project Title: Antimicrobial Assessment of *Cyanobacteria* on Microbial Strains.
- **HIMCON (Himalaya consortium for Himalaya conservation), Uttarakhand (2017)**  
Junior Researcher  
Project Title: Land Survey of Forest Fires in Uttarakhand.
- **Vigyan Pragati, NISCAIR (2017-2019)**  
Columnist
- **Indian Science Congress (2014)**  
National Representative  
Project title: Energy usage and optimization via energy saver stove
- **Eyes on 'ISON' Campaign, India (2014)**  
Student Coordinator
- **Pushpa Gujral Science City, Punjab (2013)**  
Junior Researcher  
Project title: Eradication of Congress grass by natural weedicide
- **IASS Youth Forum, India (2013)**  
State Representative
- **National Children Science Congress (2012-2013)**  
State Representative  
Project title: Land Degradation, an analytical survey

## **AWARDS/FELLOWSHIP/GRANTS**

- **YOUNG THINKER AWARD** by Department of Science and Technology, Government of India for Project 'Eradication of Parthenium hysterophorous' by using natural weedicide. (2016)
- **RASHTRAPATI AWARD** by Dr. APJ Abdul Kalam at Indian Science Congress for excellence in field of science and technology (2014)
- **YOUNG SCIENTIST AWARD** at National Children Science Congress by Government of India (2013)
- **BEST INNOVATOR AWARD** by Pushpa Gujral Science City, Punjab (2013)
- **CHILD SCIENTIST AWARD** by Department of Science and Technology, Government of India (2012)
- **BEST PROJECT AWARD** at RENDEZVOUS, Maharishi Markandeshwar University, Haryana (2012)

- **Department of Science and Technology Fellowship** by Government of India. (2015)
- **P.G.S.C. FELLOWSHIP** under **Rishi Project** by Government of Punjab (2013)

## **CONFERENCE ATTENDED/POSTER PRESENTATIONS**

- Presented Research Paper, 'Boosting Pharmacy Profession via PPP Model' at international Conference on Biosciences at GNM College, Haryana (2018)
- Attended 69<sup>th</sup> Indian Pharmaceutical Congress at Chitkara University, Punjab (2017)
- Presented Research paper on 'youth involvement in development of India' at 'skill India' at Jairam college, Kurukshetra (2017)
- Presented Research Paper at Rashtriya Kishore Vaigyanik Sammelan at KIIT University, Bhubaneshwar, Odisha (2016)
- Presented Research Paper at Jawaharlal national University, Delhi (2016)
- Attended International Seminar 'ISWAM' at Lucknow (2015)
- Attended RISHI Project at Pushpa Gujral Science City, Punjab (2014)
- State Representative for Haryana at Banaras Hindu University, Uttar Pradesh (2014)
- Attended International Science Camp at Gujarat Science City, Ahmedabad (2013)

## **RESEARCH EXPERTISE**

Research experience at pharmaceutical industry with hands on experimentation, protocol implementation, formulations and result analysis. Experience of handling various projects as a team leader. A vast experience of working with scientist and academicians in labs of renowned institutions. Expertise in field of Microbiology, Biochemistry, Molecular Biology and genetics.

- **Microbiology:** Isolation and Identification of microorganisms, Serial dilution method, plugging, slant preparation, Pure culture, streaking, water and food testing, Biochemical. DNA isolation, PCR amplification and also having skills in genetic diversity of microorganisms by using ARDRA Technique. Isolation and enumeration of micro flora, drug susceptibility testing, MIC, titrations, biochemical testing. Data sampling and representation techniques.

- **Equipment handled:** Autoclave, Hot Air Oven, Incubators, Spectrophotometer, Gel Docs, Centrifuges and PCR.
- **Molecular Biology:** DNA isolation, Electrophoresis, Ultracentrifugation, PCR Techniques.

## **LANGUAGES AND COMPUTER SKILLS**

- Java, C++ and C (One-year course)
- Basic computer knowledge of hardware and software applications including Data Interpretation, organization and MS Office.