

## **RESUME**

**JAHNAVI ALWALA**

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### **CAREER OBJECTIVE:**

To pursue a challenging career where I can apply my skills, ability, knowledge and education for the growth of the organization by contributing to the best for which I will be working.

### **EDUCATIONAL QUALIFICATIONS:**

- Ph.D in Biochemistry from Osmania University in July 2019.
- M Sc. Biochemistry with 72% from Chaitanya PG College, Kakatiya University.
- B Sc. (Bi.Mi.C) with 75% from Holy Cross Degree College Women, BHEL, R.C.Puram, Hyderabad.
- Intermediate (B.P.C) with 71% from Board of intermediate in Kakatiya Junior College, SR Nagar, Hyderabad.
- SSC with 80% from St. Arnold's High school, BHEL, R.C.Puram, Hyderabad.

### **INTERESTED AREAS:**

- ▶ Biochemistry
- ▶ Microbiology
- ▶ Molecular biology
- ▶ Bioinformatics

### **INSTRUMENTATION HANDLED:**

- ▶ Chromatography (paper, TLC, Ion Exchange, Column, GC) and UV Spectrophotometer.
- ▶ Ultra-Centrifugation (Beckman, Hitachi)
- ▶ Colorimeter
- ▶ Vacuums evaporators or Rota vapors

**COMPUTER SKILLS:** MS-office, Mega 7, BLAST, NCBI Deposition.

### **WORK EXPERIENCE:**

- Working as Senior Officer in HBI-PRODUCTION at INDIAN IMMUNOLOGICAL LTD., from April 2018 till date in the downstream processing in Hepatitis B Vaccine manufacturing.

Job responsibilities:

Handling downstream process activities.

Ensuring compliance of manufacturing environment (people, product, process, documents and facility) to relevant quality standards and regulatory requirements.

To ensure investigations of failures, OSS, deviations, change control and implementation of CAPA. Prepare and execute a plan to close nonconformance.

Review of process SOPs and LPRs.

Coordination with QC, QA, Engineering and other departments for the smoother functioning of manufacturing activities.

Ensuring preparedness of B6 (HEPATITIS B) block for all types of audits.

Authorized to sign in the SOPs and LPRs.

### **PROJECT WORK:**

- Dissertation with *“Synthesis of biologically active prochiral alcohols by using biocatalysts”* from *IICT (Indian Institute of Chemical Technology) HYDERABAD* of which it is dealing with the research for upgrading the *Drug and Cosmetic industries* and also upgraded my technical knowledge in biochemical techniques.

### **PARTICIPATION IN NATIONAL WORKSHOPS, SEMINARS AND CONFERENCES:**

- Participated in *“National seminars on recent trends in Microbiology”* organised by Department of Microbiology, Chaitanya PG college, Kakatiya University on 5-6th October 2007.
- Attended workshop on *“Molecular techniques”* organized by Department of Microbiology, Chaitanya PG College, Kakatiya University.
- Participated in one day workshop in *“Ethical issues of Animal House and Animal experimentation”* held on 4-09-2012, at Department of Zoology, University college of Science, Hyderabad.
- Participated and given paper presentation entitled *“Stigmaphyllone littorale leaves mediated silver nanoparticles biosynthesis and characterization”* in the International Conference, Global Meet of Biologists-2012, at Indian Institute of Chemical Technology from 26<sup>th</sup>-28<sup>th</sup> December-2012.
- Participated in National conference *“Declining Interest in Science Education and Research Among Students: Reasons and Remedies”* at IICT on 29<sup>th</sup>-30<sup>th</sup> March 2013.
- Attended fieldworks in *Yashoda hospitals Secunderabad, Government mental hospital Erragadda, Unani hospitals Erragadda.*
- Participated and given paper presentation entitled *“Influence of distinctive sources on Hydrogen Production from Photosynthetic bacteria isolated from marine water of Goa”, in Indo-US Conference on Advanced Lignocellulosic Biofuels (Indo-US CALB-2014).*
- Presented the Oral presentation in *“International Conference on Biochemistry, Nutrition & Pharmacy in Human Welfare: Recent Trends and Future Challenges”* as

**titled “*BIOFUEL PRODUCTION FROM RHODOPSEUDOMONAS FAECALIS MPPR 001 PHOTOSYNTHETIC BACTERIA USING GAS CHROMATOGRAPHY*” On September 3<sup>rd</sup> - 5<sup>th</sup>, 2015 at Department of Biochemistry, Osmania University.**

**Research Experience:**

**SPECIALISATION: Microbial Biochemistry.**

**THESIS TITLE: “Biofuel Production from Marine Phototrophic bacteria”**

**Supervisor: Dr.M.P.PratapRudra, Department of Biochemistry, Osmania University.**

**LIST OF PUBLICATIONS (UGC Approved Journals):**

- Green Synthesis of plant-mediated silver nanoparticles using *Withania somnifera* leaf extract and evaluation of their anti-microbial activity -Veera babu Nagati,, Rama Koyyati, Raj kiran Banala **JahnaviAlwala**, , Manisha R Donda, Pratap Rudra Manthur Padigya\* Department of Biochemistry, Osmania University, Hyderabad, IJAR Volume 1,Issue 9,307-313.
- Green Synthesis and characterization of Silver nanoparticles from *Cajanus cajan* leaf extract and its antibacterial activity Veera babu Nagati, RamaKoyyati, Manisha R Donda, **JahnaviAlwala**, Karunakar Rao Kudle, PratapRudraManthurPadigya\* Department of Biochemistry, Osmania University, Hyderabad International Journal of Nanomaterials and Biostructures Universal Research Publications – 2012, Vol 2, Issue 3, page no 39-43.
- Biofabrication of silver nanoparticles using *Cuminum cyminum* through microwave irradiation Karunakar Rao Kudle, Manisha R Donda, **JahnaviAlwala**, Rama Koyyati, Veerababu Nagati, Ramchander Merugu , Y.Prashanthi, M.P.PratapRudra\*.-2012, 2(4)65-69.
- Biosynthesis of Silver Nanoparticles using Catharanthus roseus Leaf extract and antimicrobial activity , Veerababu Nagati, Rama Koyyati, Manisha R Donda, **JahnaviAlwala**, Pratap Rudra Manthur Padigya\*,2013, Sep 11 2013.
- Synthesis of silver nanoparticcles using extracts of Securinegaluecocyprus and evaluation of its antimicrobial activity. Manisha D.R1, **Jahnavi Alwala1**, Karunakar Rao Kudle1, AnilaMiryala,BSreedhar and M.P.PratapRudra\*,INT J CURR SCI,7:E 1-8.
- Synthesis of silver nanoparticles from Phyllanthus reticulatus: An investigation on the effect of broth (leaves & root) concentration in reduction mechanism and particle size., Karunakar Rao Kudle1 Manisha D.R1,**Jahnavi Alwala1**,Madhukar Rao Kudle,bSreedhar,, M.P.PratapRudra\*World Journal Of Pharmacy and Pharmaceutical Sciences,Volume 2,Issue 5,2839-2849.
- Biosynthesis of Silver Nanoparticles using Flower Extracts of Catharanthusroseus and evaluation of its antimicrobial activity,Manisha D.R1, **Jahnavi Alwala1**, Karunakar Rao Kudle1, M.P.PratapRudra\*2014, World Journal Of Pharmacy and Pharmaceutical Sciences,Volume 3,Issue 5,877-885.

- Interpretative *invitro* phyto chemical analysis, Synthesis of silver nanoparticles and Thin Layer Chromatography screening of Aqueous and Ethanolic extracts of *Morinda citrifolia* L. (Noni) Fruit and their comparative study. **JahnaviAlwala**, Manisha R Donda, M.P.Pratap Rudra\*,in World Journal Of Pharmacy 2014.
- Photoproduction of hydrogen by Vishakahaptnam photosynthetic bacteria and their effect on cultural conditions **Jahnavi Alwala**<sup>1</sup>, M.P.PratapRudra <sup>\*1</sup>, RamchanderMerugu, in International journal Of Research (IJR) Vol 1, Issue 8, September 2014.
- Impact of various cultural conditions on photo production of hydrogen from Kanyakumari Photosynthetic bacteria **JahnaviAlwala** <sup>1</sup>,M.P.Pratap Rudra <sup>\*1</sup>,Ramchander Merugu, in International Journal of Multidisciplinary Research and Development Volume 1,Issue 7,Part I 2014.
- Biosynthesis of Silver Nanoparticles using *Impatiens balsamina* leaf extracts and its characterization and cytotoxic studies using human cell lines Raju Nalvothula, **JahnaviAlwala**, VeerababuNagati and M.P.PratapRudra\*,in International journal of Chemtech Research Vol 7,No.5 pp 2460-2468.
- Prevalence of distinctive sources on Hydrogen Production from Goa Photosynthetic Bacteria. **Jahnavi Alwala**<sup>1</sup>, M.P.PratapRudra<sup>\*1</sup>, Ramchander Merugu<sup>2</sup>. JECET; March 2015-May 2015; Sec. A; Vol.4.No.2, 519-525.
- Isolated phototrophic bacterial pure strains from marine water samples were deposited in NCBI as ***Rhodopsuedomonasfaecalis* SMR JVI(Vishakapatnam marine water),*Rhodopsuedomonasfaecalis*MPPR 001(Kanyakumari marine water) and *Rhodopsuedomonaspalustris*MPPR 001(Goa marine water).**
- Cytotoxicity of Biologically Synthesized Silver Nanoparticles from Citrus Lemon against some Cell Lines Raju Nalvolthula<sup>1</sup>,RamchanderMerugu<sup>2</sup>,**JahnaviAlwala**<sup>1</sup>,M.P.Pratap Rudra<sup>1 \*</sup> International Journal of PharmTechResearch (Vol.8, No.4, pp 691-695, 2015).
- Editorial board member for the Journal – Journal of **Journal of Pharmaceutical and Biological Sciences**(Ref ID: JPABS/EB/052) from 28-12-2016.

### **References:**

**Dr.M.P.PratapRudra,**  
Retired Professor,  
Department of Biochemistry,  
University College of Science,

Osmania University,Hyderabad.Mobile: 9394780780,

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**Dr.P.Venkateshwarlu,**

Retired Assistant Director,

Drugs Control Administration,

Telangana, Hyderabad.Mobile: 9440860179.

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**Dr.M.Vijayanand,**

Retired Scientist,

Telangana Pollution Control Board,

Sanathnagar,Hyderabad.Mobile: 9618404799.

Email id: vijay11mitta@rediffmail.com

**PERSONAL PROFILE:**

Father name : Venu Prasad Alwala.

Date of birth : 26-08-1987.

Languages known : English, Telugu, Hindi.

Sex : Female

Marital status : married

Hobbies : Reading books and Painting.

Strengths : Hardworking, team work.

Nationality : Indian

Address : Plot No: 455 EP, Raghavendra Colony, Beeramguda.  
Chandra Mohan (Husband) – 9866551023.

In view of the above I request you to kindly give an opportunity to serve your esteemed organization. I shall be thankful and grateful to you.

Thanking you,

**Place:**

**Date:**

**(A.JAHNAVI)**