

## CURRICULUM VITAE

### SWATI PANDEY

C/O Shri C.L.Dubey

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### OBJECTIVE :-

To augment my biotechnology capabilities with research skills for works that has significant impact on the institution in particular & mankind in general.

### ACADEMIC QUALIFICATIONS :-

Qualification	Board/University/College	Year	Percentage
M.Sc. Biotechnology	Govt. V. Y. T. P. G. Autonomous College, Durg (C.G.)	2011-2012	77.91%
B.Sc. (Zoology, Biotechnology, Chemistry)	Govt. V. Y. T. P. G. Autonomous College, Durg (C.G.)	2008-2010	68.44%
ADD ON Diploma (Communicative English)	Govt. V. Y. T. P. G. Autonomous College, Durg (C.G.)	2009	79.33%
Higher Secondary (H.S.S.C)	CGBSE Raipur	2007	71.00%
Matriculation (S.S.C)	CGBSE Raipur	2005	80.00%

## ACADEMIC PROJECT :-

- **Short term project Work on**

- ***“Analysis of 5’ Intron in Recombinant Protein Productivity”*** from Institute of Biotechnology a Division Of Usha Biotech , Hyderabad(A.P.)

- **A short term project work on**

- ***To Study Fungal Diversity From Different Plant Source*** from Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.).
- ***To Isolate DNA From Different Fungal Species*** from Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.).
- ***To Isolate The Microbes For Bioremediation And To Study Their Degradation Tolerancy On Monocrotophos (Pesticide)*** from Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.).
- ***To Study The Bioremediation Of Monocrotophos At Different Concentration By Using Aspergillus Fumigatus And To Analyze The Kinetic Effect Of Tween 80 On Fungal Growth*** from Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.)

## TRAININGS/WORKSHOP :-

- Participated in 3 days workshop on ***“Enzymology”*** organized by Dept. of Biotechnology of Govt. V.Y.T.P.G. Autonomous College, Durg in collaboration with Nitza Biologicals Pvt. Ltd., Hyderabad (20-23 January,2010).
- Participated in 3 days workshop on ***“Genomics”*** organized by Dept. of Biotechnology of Govt. V.Y.T.P.G. Autonomous College, Durg in collaboration with Disha Life Science Pvt. Ltd., Ahmadabad (13<sup>th</sup> – 15<sup>th</sup> April, 2011).
- Participated in 2 days workshop on ***“Bioinformatics And Its Application”*** organized by Dept. of Biotechnology of Govt. V.Y.T.P.G. Autonomous College, Durg in collaboration with Indian Biosciences and Research Institute, Noida (3<sup>rd</sup> – 4<sup>th</sup> April, 2012).

- Participated in 4 days workshop on **“Molecular markers”** organized by Dept. of Biotechnology of Govt. V.Y.T.P.G. Autonomous College, Durg in collaboration with ATG Lab, Pune (16<sup>th</sup> – 19<sup>th</sup> March, 2013).
- Participated in 3 days workshop on **“Bioinformatics”** organized by Dept. of Biotechnology of Govt. V.Y.T.P.G. Autonomous College, Durg in collaboration with Sai Bioinfosys, Nagpur (28<sup>th</sup> – 30<sup>th</sup> January, 2014).
- Participated in 1 day workshop on **“Green Chemistry and its Future Prospects”** sponsored by University Grant Commission in Govt. V.Y.T.P.G. Autonomous College, Durg, Chhattisgarh (15<sup>th</sup> December, 2015).

#### SEMINARS & SYMPOSIUM ATTENDED :-

- U.G.C. sponsored National conference on **“Bioresource: It's Implication, Alteration and Management for the Welfare of Living Kingdom”** organized by Govt. V. Y. T. P. G. Autonomous College, Durg (C.G.) on 11<sup>th</sup> -12<sup>th</sup> October, 2011.
- Participated in the symposium on **“Cord Blood Banking”** organized by Department of Biochemistry of Pt. J.N.M. Medical Collage, Raipur (C.G.) on 25<sup>th</sup> July, 2012.
- U.G.C. sponsored National Seminar on **“ Industrialization and Environmental Crisis: An Analysis”** organized by Department of Geography , of Govt. Chandulal Chandraker Arts and Science Collage, Patan, Durg (C.G.) on 15<sup>th</sup> – 16<sup>th</sup> january, 2013.
- CRO, U.G.C. , Bhopal (M.P.) and C.G. COST Raipur sponsored National conference on **“ Microbial Diversity: Exploration, Conservation and Application”** organized by Department of Botany ( including Microbiology and Bioytechnology) of Govt. E. Raghvendra Rao Post Graduate Science Collage, Bilaspur (C.G.) on 16<sup>th</sup> -17<sup>th</sup> February 2013.
- Participated in National Seminar on **“ Conservation of Economically Important Endangered Plant Species of Chhattisgarh Region”** organized by Bhilai Mahila Mahavidyalaya, Hospital Sector, Bhilai (C.G.) on 25<sup>th</sup> – 26<sup>th</sup> October, 2013.
- University Grant Commission, Central Region Office, Bhopal and Chhattisgarh Council of Science & Technology, Raipur sponsored National Conference on **“ Prospects Of Life Science For Human Welfare With Special Reference To Chhattisgarh” &**

**First Chhattisgarh Congress Of ZSC** organized by Govt.V.Y.T.PG. Autonomous College, Durg (C.G.) on 7<sup>th</sup> – 8<sup>th</sup> February, 2015.

- Participated in National Conference on “**Recent Advances in Medicinal Plant Research & its Application in Human Health**” organized by Bhilai Mahila Mahavidyalaya, Hospital Sector, Bhilai (C.G.) on 2<sup>nd</sup> – 3<sup>rd</sup> March, 2015.

#### ACHIEVEMENTS:-

- Received **Women Scientist Award** from Department of Science and Technology (DST), Govt. of India, under Societal Programme (WOS- B) in 2015.
- Department of Science and Technology, Govt. of India has sanctioned a Research Project under Women Scientist Scheme (WOS-B) on “**Study of Genetic Polymorphism of Chemokine Receptors for the HIV-I Infection in Some Tribal Population of Chhattisgarh, India**”.
- **Qualified Joint CSIR-UGC NET – 20<sup>th</sup> December, 2015 (LS) with marks 110.5 out of 200 (55.25%) and AIR-33.**

#### PUBLISHED PAPERS:-

- Swati Pandey, Richa Agrawal and Anil Kumar. Biodegradation of Monocrotophos (MCP) by Soil Isolates of *Aspergillus Niger* and *Aspergillus Fumigates* Under Influence of Tween 80. *The Ecoscan*. 6(3&4): 115-118, 2012.
- Somendra Kumar, Archana Sudhakar, Neha Tiwari, Swati Pandey and Anil Kumar. Isolation and Screening of Endophytic Fungi from a Medicinal Plant *Achyranthus aspera* for Antibacterial activity. *Int. J. Pharmacol. Bio. Sci.* Vol. 9(1): 209-214, 2015.
- Poonam Verma, Khushboo Sahu, Ekta Singh, Swati Pandey and Anil Kumar. Evaluation of Antibacterial Activity and Phytochemical Analysis for Leaf, Stem Extract of *Madhuca longifolia*, *Schleichera triguga*, *Callistemon citrinus*. *Int. J. Pharmacol. Bio. Sci.* Vol. 9(1):93-99, 2015.

#### EXPERIENCE :-

Name Of College	Date
Govt.V.Y.T.P.G. Autonomous College, Durg (C.G.)	From 1 <sup>st</sup> August 2012 to till date.

## LAB EXPERIENCE & SKILLS :-

- Electrophoresis (Gel, SDS, Paper).
- DNA extraction from plant, fungal & bacterial source (both manually & by kit).
- RNA & Plasmid isolation from bacterial source.
- Experiment based on Plant Tissue Culture.
- Experiment based on Animal Tissue Culture.
- Experiment based on Environmental biotechnology.
- Experiment based on Immunological Technique.
- Experiment based on Bioprocess Engineering.
- Other molecular techniques like DNA isolation, RNA isolation.
- Microbiology Techniques.
- ELISA Techniques
- Instrumentation

## SOFTWARE PROFICIENCY :-

Skills	Operating System	Others
Tools	Windows XP	MS-Office & Internet

## PERSONAL INFORMATION :-

- **Father's Name** - Late shri Omprakash Pandey
- **Date of Birth** - 03 Sep 1990.
- **Sex** - Female
- **Marital status** - Unmarried
- **Nationality** - Indian
- **Languages** - English, Hindi.

Place: Durg  
Date:

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