RESUME

Dr. Veda Prakash Pandey

Department of Biochemistry
University of Lucknow, Lucknow-226007
Phone: 09935483093; 08004995955
E-Mail: vedapbiotech@gmail.com ; vedapandey@hotmail.com

PRESENT STSTUS:

Working as subject expert in Biotechnology at Department of Biochemistry, University of Lucknow, Lucknow

EDUCATIONAL QUALIFICATION

- **Ph. D. Biotechnology, (2014),** Department of Biochemistry, University of Lucknow, Lucknow, Lucknow University, Lucknow (U.P.), under the supervision of Prof. U. N. Dwivedi
  Title of the thesis: **Biochemical and Molecular Studies on Plant Peroxidases**
- **CSIR-UGC JRF-NET (June, 2009),** Life Sciences
- **M.Sc. Biotechnology, (2007),** University of Lucknow, Lucknow **(76.7 %)**
- **B.Sc. Biology, (2003),** V.B.S. Purvanchal University, Jaunpur, **(71.3 %)**
  Botany, Zoology, Chemistry
- **Intermediate Bio-Group, (1999),** U.P. Board, **(66.6 %),**
  Hindi, English, Physics, Chemistry, Biology
- **High School Science Group, (1997),** U.P. Board, **(73 %)**
  Hindi, English, Mathematics, Science, Social Science, Biology

POST DOCTORAL EXPERIENCE:

- **Senior Research Associate (SRA), (Under CSIR Scientist' Pool Scheme) at** Department of Biochemistry, University of Lucknow, Lucknow **(Three Years: January 21, 2019 – January 20, 2022). Salary: Rs. 56100 p.m. (Basic) plus DA & HRA**
- **DST-SERB Young Scientist for the project (as PI) entitled "*Nanotube based immobilization of novel plant peroxidases for the potential application in biosensors*"** at CSIR-Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow **(Three Years: November, 2015 to November 2018). Project Grant: Rs. 33.2 Lacs. Salary : Rs. 55,000/- p.m. (fixed)**

RESEARCH PUBLICATIONS

- **Research articles: 44; Total Impact factor: 135; *h-index*: 17; *i10:* 24**
- **Book Chapter: 03**
- **Paper presented/Published in conferences/symposia/seminars : 56**
  (International: 10 and National: 46)
- **Gene Submitted:**
  - **Accession Number KJ415091** (*Carica papaya* full length peroxidase gene)
  - **Accession Number KX828843** (*Citrus limon* partial peroxidase gene)
  - **Accession Number MK574147** (*Citrus limon* Full length peroxidase gene)

RESEARCH EXPERIENCES

Capacities	Duration	Work Place
CSIR-SRA	January, 2019 –January 2022	Department of Biochemistry, University of Lucknow
DST-Young Scientist	November 16, 2015-November 15, 2018	CSIR-CIMAP, Lucknow
Post Doc-Fellow	March 2014-November, 2015	Department of Biochemistry, University of Lucknow,
UGC JRF-SRF	January, 2010-December, 2013	Department of Biochemistry, University of Lucknow,

TEACHING EXPERIENCES

Level	Paper / Topic	Nature	Duration	Status
M.Sc.	**Biostatistics**	**Theory**	**2013-Till Date**	**As Subject expert**
M.Sc.	**Enzymology**	**Theory**		
M.Sc.	**Bioinformatics**	**Theory, Practical**		
M.Sc.	**Genetic Engineering,**	**Theory, Practical**		
M.Sc.	**Animal & Plant cell and Tissue culture, Microbiology**	**Theory**	**2019-Till Date**	
M.Sc.	**Enzyme and Food Technology**	**Theory**	**2011**	**As per JRF-SRF Norms**
M.Sc.	**Biostatistics**	**Theory**	**2010-2013**	
M.Sc.	**Genetic Engineering, Bioinformatics**	**Practical**	**2010-2013**	
B.Sc.	**Biostatistics**	**Theory**	**2010-2013**	

ACADEMIC SKILLS

Molecular biology Skills

- Gene cloning
- Real Time PCR, RACE
- RAPD – Random Amplified Polymorphic DNA
- Heterologous expression of proteins in *E. coli* and purification of recombinant proteins

Bioinformatics Skills

- Biological database mining from various databases like NCBI, DDBJ, EMBL etc.
- DNA and protein Sequence Analysis, Phylogenetic analysis
- Homology Modeling using Modellar 9v5, Discovery Studio
- Molecular Docking using Discovery Studio
- QSAR using Discovery Studio, SyByl
- Major Bioinformatics Software Used: **Discovery Studio 4.5, Exome Horizon, DNASTAR, MATLAB, SyByl, CLC-Workbench**

Microbiological Skills

- Bacterial culture, serial dilution, staining, growth curve, Application of bacteria for Genetic Engineering

Statistical Skills

- Statistical dispersion analyses, correlation, regression, statistical hypothesis tests ANOVA using Sigma plot, Graphpad Prism.

Biophysical and Biochemical Skills

- Agarose Gel and Polyacrylamide Gel Electrophoresis (Native & SDS PAGE)
- In-gel Enzyme activity Staining, Western Blotting, HPLC
- Protein purification, Protein refolding, Kinetic analysis of enzymes

Tissue / cell Culture Skills

- Plant Tissue Culture (*Leucaena leucocephala*)
- Animal cell Culture (6 months dissertation in IITR, Lucknow)

Immunological Skills

- ELISA, Agglutination, Immuno-diffusion Immuno-electrophoresis

MEMBERSHIP

- Life member of **Society of Biological Chemists (SBC Membership No. 2751)**
- Life member of **Indian Science Congress Association (ISCA L. M. No. L19891)**
- Graduate member of **American Society of Plant Biologists (23710243)**
- Life Member of **Asian Biological Research Foundation (ABRF) (147/2019)**

AREA OF INTEREST

- Recombinant DNA Technology, gene regulation and Heterologous Protein Expression
- Bioinformatics: Drug designing, Molecular modeling and Docking, QSAR Analyses
- Enzyme Biochemistry: Purification, Characterization, Immobilization and Industrial Applications

EDITORIAL MEMBER / REVIEWER

- **Associate Editorial Board Member** of an International journal **"Current protein and peptide science" (Bentham Science)**
- **Editorial Board Member** of an International journal **"The open Enzyme Inhibition Journal" (Bentham Science)**
- **Associate Editorial Board Member** of an International journal **"Protein and Peptide Letter" (Bentham Science)**
- **Reviewer** of an International journal **"Molecular simulation" (Taylor & Francis)**
- **Editorial board member** of **South Asia Journal of Multidisciplinary Studies.**

RESOURCE PERSON

- Working as **Resource Person in NCERT, New Delhi** for the development of text books / laboratory manuals at higher secondary stage.
- Working as **subject expert** for **Biostatistics, enzymology, Bioinformatics, Genetic Engineering** for **M. Sc. Biotechnology** from past 8 years or so at Department of Biochemistry, Lucknow University, Lucknow
- Organized **>40 Bioinformatics workshop** at Bioinformatics centre as resource person/instructor and one **Seminar** at Department of Biochemistry, University of Lucknow
- Worked as **subject expert** for **Food Microbiology and Genetic Engineering** for **M.Sc. Food processing and Food Technology** from July, 2019 at Institute of Food Processing and Technology, ONGC Centre for Development of Advanced Studies, Lucknow University, Lucknow
- Worked as **Resource person** for Workshop on 'Techniques of Molecular & Computational Biology' during November 22-24, 2021, organized by Institute for Development of Advanced Computing (IDAC), ONGC Centre of Advanced Studies, University of Lucknow
- Worked as **Resource person** for National Seminar cum workshop on "Computational Biology: Integrated Approach for Advanced Research" Techniques ' during March 21-22, 2022, organized by Institute for Development of Advanced Computing (IDAC), ONGC Centre of Advanced Studies, University of Lucknow
- Worked as **Resource person** for **workshop on Molecular Biology for molecular diagnostics** organized by **CDC, India** at ONGC Centre for Advance Studies, Lucknow University, Lucknow
- **Invited guest faculty** for Bioinformatics in Ph.D. Foundation Course at **Ira University**

ACHIEVEMENTS, AWARDS AND FELLOWSHIPS

- **University Contact** for **Society of Experimental Biology (SEB), London**.
- **Best paper award in year 2016** for the research paper entitled "A ripening associated peroxidase from papaya having a role in defense and lignification: Heterologous expression and in-silico and in-vitro experimental validation" by Alumni Association, Biochemistry Department, Lucknow University
- **Best paper award in year 2013** for the research paper entitled "Purification and Characterization of Peroxidase from Papaya (*Carica papaya*) Fruit" by Alumni Association, Biochemistry Department, Lucknow University

- **Best paper award in year 2012** for the research paper entitled "Purification and Characterization of Peroxidase from *Leucaena leucocephala*, a tree legume" by Alumni Association, Biochemistry Department, Lucknow University
- Presented a research paper in the **4th EMBO Meeting 2012 at NICE, FRANCE** (September 22-25, 2012), organized by the European Molecular Biology Organization (EMBO) and the Gesellschaft zur Förderung der Lebenswissenschaften Heidelberg GmbH, Germany.
- Qualified All India Combined M.Sc. Biotechnology entrance test conducted by Jawaharlal Nehru University, New Delhi.

PERSONAL DETAIL

Name:	**Dr. Veda Prakash Pandey**
Father's Name:	Dr. Krishna Kumar Pandey, Associate professor in Sanskrit
Date of Birth:	December 07, 1982
Gender:	Male
Marital Status:	Married
Permanent Address:	Village + P.O. - Siswar Kalan Via- Rasra, Distt. - Ballia, Pin- 221712 (U.P.), India

REFERENCES

1. **Prof. U.N. Dwivedi**
   Former Pro Vice-Chancellor, Lucknow University
   Department of Biochemistry, University of Lucknow, Lucknow-226007
   Email: upendradwivedi@hotmail.com

2. **Prof. R. K. Mishra**
   Head,
   Department of Biochemistry, University of Lucknow, Lucknow-226007,
   Email: rkm399@gmail.com

3. **Prof. Sudhir Mehrotra**
   Department of Biochemistry, University of Lucknow, Lucknow-226007,
   Email: sudhirankush@yahoo.com

4. **Prof. Samir Sharma**
   Department of Biochemistry, University of Lucknow, Lucknow-226007,
   Email: samiersharma@gmail.com

Veda P. Pandey

[Veda Prakash Pandey]

Personal statement justifying candidature

Starting my career as a M. Sc. student in the frontal areas namely Biotechnology, I have started research in Biotechnology as UGC JRF. During my Research tenure, I have purified four peroxidases from different sources with distinct novel properties. Thus, *Leucaena leucocephala* peroxidase exhibited insensitivity towards azide whereas the *Murraya panniculata* peroxidase exhibited thermostability along with tolerance towards salt and organic solvents. The lemon peroxidase exhibited efficient dye decolorizing property with thermostability while that of the *C. papaya* peroxidase was a fruit ripening associated peroxidase. Furthermore, gene for papaya peroxidase was cloned, heterologously expressed and purified. This recombinant papaya peroxidase was *in-silico* characterized and functionally validated.

In addition, I have also involved in other projects such as gene cloning, native enzyme purification and characterization of enzymes such as Cinnamyl Alcohol Dehydrogenase (CAD), O-Methyl Transferase (OMT) and laccase from a number of plant sources including *L. leucocephala* and *C. papaya* etc. I have also expertise in plant tissue culture of *Leucaena leucocephala* and animal cell culture for rat PC-12 Cells. In addition, I have also involved in screening and identification of anti-cancerous, anti-inflammatory, anti-cholinesterase secondary metabolites against various targets and structure function analyses of OMT, peroxidases and laccases using various Bioinformatics softwares and tools.

After Ph.D., I have worked as young scientist at CSIR-CIMAP, Lucknow with a start-up research grant on my project entitled "Nanotube based immobilization of novel plant peroxidases for the potential application in biosensors", sanctioned from DST-SERB, New Delhi for three years.

Subsequently, I worked as CSIR Senior Research Associate (SRA) (Under CSIR Scientist' Pool Scheme) at Department of Biochemistry, University of Lucknow, Lucknow for three years.

I have got 44 publications in reputed journals and also contributed 03 book chapter as well as presented my research work in various international and national conferences.

Apart from research, I am also involved in the teaching of theory of Biostatistics, enzymology, Genetic engineering and Bioinformatics to the M. Sc. Biotechnology, M. Sc. Food Processing and Food Technology students and practical classes of genetic engineering, enzymology to the M. Sc. students as well as in the dissertation of Master's Students in the field of enzymology, Biochemistry, Bioinformatics.

I come from a family of academicians. My Grandfather Late Sri Gopal Pandey was a distinguished Hindi Scholar and teacher in Intermediate College, whereas, my father Dr. Krishna Kumar Pandey is working as Associate Professor in Sanskrit. As teaching is my parental attribute, I have passion in teaching.

List of publications

A: Research Publications in refereed Journals

S. No.	Publication Details	Authors	Impact factor
From own area of research			
1.	Recombinant expression and characterization of lemon (*Citrus limon*) peroxidase. Protein & Peptide Letters. 2021, 28, 469-479 DOI: 10.2174/0929866527666200925114054	**Veda P Pandey**, Apoorvi Tyagi, Shagoofa Ali, Kusum Yadav, Anurag Yadav, Ajit K. Shasany, Upendra N. Dwivedi.	1.89
2.	Chitosan immobilized novel peroxidase from *Azadirachta indica*: characterization and application. International Journal of Biological Macromolecules, 104, 2017, 1713–1720	**Veda P Pandey**, Jyoti Rani, Nivedita Jaiswal, Swati Singh, Manika Awasthi, Ajit K. Shasany, Sameeksha Tiwari, Upendra N. Dwivedi.	6.953
3.	A comprehensive review on function and application of plant peroxidases. Biochemistry & Analytical Biochemistry, 6, 2017, 308.	**Veda P. Pandey**, Manika Awasthi, Swati Singh, Sameeksha Tiwari and Upendra N. Dwivedi.	2.63
4.	A defense associated peroxidase from lemon having dye decolorizing ability and offering resistance to heat, heavy metals and organic solvents. Biochemistry & Analytical Biochemistry, 5, 2016, 291-300.	**Veda P. Pandey**, Prakash K. Bhagat, Ramgopal Prajapati, Nivedita Jaiswal, Swati Singh, Manika Awasthi and Upendra N. Dwivedi.	2.63
5.	A ripening associated peroxidase from papaya having a role in defense and lignification: Heterologous expression and in-silico and in-vitro experimental validation. Gene, 555, 2015, 438–447.	**Veda P. Pandey** and Upendra N. Dwivedi	3.688
6.	Papaya Fruit Ripening: ROS metabolism, gene cloning, characterization and molecular docking of peroxidase. Journal of Molecular Catalysis B: Enzymatic, 98, 2013, 98-105.	**Veda P. Pandey**, Swati Singh, Nivedita Jaiswal, Manika Awasthi, Brijesh Pandey, Upendra N. Dwivedi	2.269
7.	Purification and Characterization of Peroxidase from Papaya (*Carica papaya)* Fruit. Applied Biochemistry and Biotechnology, 2012,167, 367–376.	**Veda P. Pandey**, Swati Singh, Rupinder Singh and Upendra N. Dwivedi	2.926
8.	Phylogenetic analysis, molecular modeling, substrate - inhibitor specificity and active site comparison of bacterial, fungal, and plant heme peroxidases. Biotechnology and Applied Biochemistry. 2012, 59, 283–294.	Swati Singh, **Veda P. Pandey**, Huma Naaz and Upendra N. Dwivedi	2.431
9.	Purification and Characterization of Peroxidase from *Leucaena leucocephala*, a tree legume. Journal of Molecular Catalysis B: Enzymatic, 68, 2011, 168-173.	**Veda P. Pandey** and Upendra N. Dwivedi	2.269
From other collaborative areas			
10.	Modulation of interaction of BRCA1-RAD51 and BRCA1-AURKA protein complexes by natural metabolites using as possible therapeutic intervention toward cardiotoxic effects of cancer drugs: an in-silico approach. Journal of Biomolecular Structure and Dynamics. **2021.** DOI: 10.1080/07391102.2021.1976278	Sameeksha Tiwari, **Veda P. Pandey**, Kusum Yadav & Upendra N. Dwivedi	3.392
11.	Heavy metal accumulation efficiency, growth and centelloside production in the medicinal herb *Centella asiatica* (L.) urban under different soil concentrations of cadmium and lead. Industrial Crops and Products. 157, **2020**,112948	Tanya Biswas, Orusa Parveen, **Veda P. Pandey**, Archana Mathur, Upendra N. Dwivedi.	5.645
12.	Natural Product as Anti-Cancerous Therapeutic Molecules Targeted towards Topoisomerases. Current Protein and Peptide Science. 21, **2020**. DOI: 10.2174/1389203721666200918152511	Swati Singh, **Veda P. Pandey**, Kusum Yadav, Anurag Yadav, Upendra N. Dwivedi	3.272
13.	Protein Misfolding Diseases and Therapeutic Approaches. Current Protein and Peptide Science. 20, **2019,** 1226-1245 DOI: 10.2174/1389203720666190610092840	Kusum Yadav, Anurag Yadav, Priyanka, **Veda P Pandey**, Upendra N. Dwivedi	3.272

14.	Anti-Angiogenic Potential of Secondary Metabolites against Tyrosine Kinase Domain of Vascular Endothelial Growth Factor Receptor-1: An *in silico* Approach. Journal of Applied Bioinformatics and Computational Biology. 7, **2019**. DOI: 10.4172/2329-9533.1000160	Upendra N. Dwivedi, Aleena Asif, Sameeksha Tiwari, Om Prakash & **Veda P. Pandey**	1.0
15.	Modulation in the conformational and stability attributes of the Alzheimer's disease associated amyloid-beta mutants and their favorable stabilization by curcumin: Molecular dynamics simulation analysis. Journal of Biomolecular Structure and Dynamics. 36**, 2018,** 407-422.	Manika Awasthi, Swati Singh, **Veda P. Pandey** & Upendra N. Dwivedi.	3.392
16.	Terpenoids as promising therapeutic molecules against Alzheimer's disease: amyloid beta and acetylcholinesterase directed pharmacokinetic and molecular docking analyses. Molecular Simulation, 44, **2018**, 1–11	Manika Awasthi, Arun Upadhyay, Swati Singh, **Veda P. Pandey** & Upendra N. Dwivedi.	1.716
17.	Natural Products as Anti-cancerous Therapeutic Molecules. Current protein and peptide sciences, 19, **2018**, 238-274.	Swati Singh, Manika Awasthi, **Veda P. Pandey**, and Upendra N. Dwivedi.	3.272
18.	CoMFA and CoMSIA based designing of resveratrol derivatives as amyloid-beta aggregation inhibitors against Alzheimer's disease. Medicinal Chemistry Research. 19, **2018**, 238 – 274.	Manika Awasthi, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi	1.965
19.	Modulation of interaction of mutant TP53 and wild type BRCA1 by alkaloids: A computational approach towards targeting protein-protein interaction as a futuristic therapeutic intervention strategy for breast cancer impediment. Journal of Biomolecular Structure and Dynamics, 36**, 2018,** 3376–3387	Sameeksha Tiwari, Manika Awasthi, Swati Singh, **Veda P. Pandey,** Upendra N. Dwivedi	3.392
20.	Wasting Syndrome and Quality of Life in HIV/AIDS. Austin Journal of HIV/AIDS Research. 5, **2018**, 1043	Ramya Dwivedi and **Veda P. Pandey**	1.2
21.	Lipoxygenase directed anti-inflammatory and anticancerous secondary metabolites: ADMET based screening, molecular docking and dynamics simulation. Journal of Biomolecular Structure and Dynamics, 35, **2017**, 657 – 668	Swati Singh, Manika Awasthi, **Veda P. Pandey**, and Upendra N. Dwivedi.	3.392
22.	Curcumin: Structure-activity relationship towards its role as a versatile multi-targeted therapeutics. Mini-Reviews in Organic Chemistry, 14, **2017,** 311 - 332.	Manika Awasthi, Swati Singh, **Veda P. Pandey**, and Upendra N. Dwivedi.	2.495
23.	Genomics Based Approaches towards Management of Plant Diseases with Emphasis on in silico Methods as a Prudent Approach. Journal of Agricultural Science and Food Technology, 3, **2017**, 39-51.	Sameeksha Tiwari, Manika Awasthi, **Veda P. Pandey** and Upendra N. Dwivedi.	0.676
24.	Plant derived anti-cancerous secondary metabolites as multipronged inhibitor of COX, Topo and aromatase: Molecular modelling and dynamics simulation analyses. Journal of Biomolecular Structure and Dynamics, 35, **2017**, 3082-3097.	Swati Singh, Manika Awasthi, **Veda P. Pandey** & Upendra N. Dwivedi.	3.392
25.	Immobilization of papaya laccase in chitosan led to improved multipronged stability and dye discoloration. International Journal of Biological Macromolecules, 86, **2016**, 288-295.	Nivedita Jaiswal, **Veda P. Pandey** and Upendra N. Dwivedi	6.953
26.	Citrus Functional Genomics and Molecular Modeling in Relation to *Citrus sinensis* (Sweet Orange) infection with *Xyllela fastidiosa* (Citrus variegated chlorosis. OMICS: A Journal of Integrative Biology, 20, **2016**, 485-90.	Upendra N. Dwivedi, Sameeksha Tiwari, Pragya Prasanna, Swati Singh, Manika Awasthi, **Veda P. Pandey**.	3.374
27.	Alzheimer's disease: An overview of amyloid beta dependent pathogenesis and its therapeutic implications along with *in silico* approaches emphasizing the role of natural products. Journal of Neurological Sciences, 361, **2016**, 256-271.	Manika Awasthi, Swati Singh, **Veda P. Pandey** and U.N. Dwivedi	3.181
28.	DNA topoisomerase directed anti-cancerous alkaloids: ADMET based screening, molecular docking and dynamics simulation. Biotechnology and Applied Biochemistry, 63, **2016,** 125-137.	Swati Singh, Tamal Das, Manika Awasthi, **Veda P. Pandey**, Brijesh Pandey, Upendra N. Dwivedi	2.431
29.	Purification of a thermostable alkaline laccase from papaya (*Carica papaya*) using affinity chromatography. International Journal of Biological Macromolecules, 72, **2015**, 326–332.	Nivedita Jaiswal, **Veda P. Pandey** and Upendra N. Dwivedi	6.953
30.	Molecular dynamics simulated validation of anti-cancerous alkaloids as Topo IIβ inhibitors screened by QSAR, pharmacophore and molecular	Swati Singh, Manika Awasthi, **Veda P. Pandey**, Brijesh	1.965

	docking approaches. Medicinal Chemistry Research , 24, **2015**, 2972-2985	Pandey and Upendra N. Dwivedi	
31.	*Treponema pallidum* putative novel drug target identification and validation: Rethinking syphilis therapeutics with plant derived terpenoids. OMICS: A Journal of Integrative Biology, 19, **2015**, 104-114	Upendra N. Dwivedi, Sameeksha Tiwari, Priyanka Singh, Swati Singh, Manika Awasthi and **Veda P. Pandey**	3.374
32.	Molecular docking and dynamics simulation analyses unraveling the differential enzymatic catalysis by plant and fungal laccases with respect to lignin biosynthesis and degradation. Journal of Biomolecular Structure and Dynamics , 33, **2015**, 1835-1849.	Manika Awasthi, Nivedita Jaiswal, Swati Singh, **Veda P. Pandey** and U.N. Dwivedi	3.392
33.	Molecular docking and 3D-QSAR based virtual screening of flavonoids as potential aromatase inhibitors against estrogen-dependent breast cancer. Journal of Biomolecular Structure and Dynamics, 33, **2015**, 804-819	Manika Awasthi, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi	3.392
34.	Caffeic acid O-methyltransferase from Leucaena leucocephala: cloning, expression, characterization and molecular docking analyses. Journal of Molecular Catalysis B: Enzymatic, 106, **2014**, 63-70.	Upendra N. Dwivedi, Poonam Gupta, **Veda P. Pandey**, Swati Singh and Rupinder Singh	2.269
35.	Purification of a thermostable laccase from Leucaena leucocephala using a copper alginate entrapment approach and the application of the laccase in dye decolorization. Process Biochemistry, 49, **2014**, 1196–120.	Nivedita Jaiswal, **Veda P. Pandey** and Upendra N. Dwivedi	3.757
36.	Purification and characterization of a zinc dependent cinnamyl alcohol dehydrogenase from *Leucaena leucocephala*, a tree legume. Applied Biochemistry and Biotechnology, 172, **2014**, 3414–3423.	Brijesh Pandey, **Veda P. Pandey**, Ajit K. Shasany and Upendra N. Dwivedi	2.926
37.	Comparative Analysis of Genetic Diversity among Cultivated Pigeon pea (Cajanus cajan (L) Millsp.) and Its Wild Relatives (C. albicans and C. lineatus) Using Randomly Amplified Polymorphic DNA (RAPD) and Inter Simple Sequence Repeat (ISSR) Fingerprinting. American Journal of Plant Sciences, 5, **2014**, 1665-1678.	Kusum Yadav, Sanjay Yadav, Anurag Yadav, **Veda P. Pandey**, and U. N. Dwivedi	1.34
38.	Anti-cholinergic alkaloids as potential therapeutic agents for Alzheimer's disease: An in silico approach. Indian Journal of Biochemistry and Biophysics, 50, **2013,** 120-125.	Huma Naaz, Swati Singh, **Veda P. Pandey**, Priyanka Singh, Upendra N. Dwivedi	1.918
39.	Structure–function analyses and molecular modeling of caffeoyl-O-methyltransferase and caffeoyl-CoA-O-methyltransferase: Revisiting the basis of alternate methylation pathways during monolignol biosynthesis. Biotechnology and Applied Biochemistry, **2013**, 60, 170–189.	Huma Naaz, **Veda P. Pandey**, Swati Singh, Upendra N. Dwivedi	2.269
40.	Structural modeling and simulation studies of human cyclooxygenase (COX) isozymes with selected terpenes: Implications in drug designing and development. Computers in Biology and Medicine, 43, **2013,** 744–750.	Swati Singh, **Veda P. Pandey**, Huma Naaz, Priyanka Singh, and Upendra N. Dwivedi	4.589
41.	Genetic diversity of pigeon pea (*Cajanus cajan (L) Millsp.*) cultivars and its wild relatives using RAPD markers. American Journal of Plant Science, 3, **2012**, 322-330.	Kusum Yadav, Sanjay K. Yadav, Anurag Yadav, **Veda P. Pandey**, Upendra N. Dwivedi	1.41
42.	Cloning, expression, functional validation and modeling of cinnamyl alcohol dehydrogenase isolated from xylem of *Leucaena leucocephala*. Protein Expression and Purification, **2011**, 79, 197–203.	Brijesh Pandey, **Veda P. Pandey** and Upendra N. Dwivedi	1.695
43.	Temporal Expression of Caffeic Acid 3-O-methyltransferase (COMT) in Mango (*Mangifera indica* var. Dashehari) Fruit Ripening. Food Science and Technology, 44, **2011**, 1782-1785	Rupinder Singh, Poonam Gupta, **Veda P. Pandey** and Upendra N. Dwivedi	4.952
44.	Structure - Function Relationship among fungal, Bacterial Laccases. Journal of Molecular Catalysis B: Enzymatic, 68, **2011**, 117-128.	Upendra N. Dwivedi, Priyanka Singh, **Veda P. Pandey** and Anoop Kumar	2.269

B. Book Chapters:

S. No.	Chapter Detail
1.	U. N. Dwivedi, M. Awasthi, A.K. Upadhyay, S. Singh, **Veda P. Pandey**. (**2015**). An overview of progression and treatment of Amyloid Beta dependent Alzheimer's Diseases. In: Public health and Development in India. S. B. Nimse and M.K. Agarwal (Eds.). Northern Book Centre, New Delhi, pp. 59-119. **ISBN No. 81-7211-353-6.**
2.	Manika Awasthi, Swati Singh, Sameeksha Tiwari, **Veda P. Pandey** and Upendra N. Dwivedi. (**2018)** Computational approaches for therapeutic application of natural products in Alzheimer's disease. In: Computational Modeling of Drugs Against Alzheimer's Disease" (Series: NEUROMETHODS) Editors: Roy, Kunal (Ed.). pp. 483-511. Humana Press, New York, NY. **ISBN No. 978-1-4939-7403-0**

3.	Dileep Kumar. Ranjana Gautam, **Veda P. Pandey**, Anurag Yadav, Upendra N.Dwivedi, Rumana Ahmad, Kusum Yadav. Computational approaches toward single-nucleotide polymorphism discovery and its applications in plant breeding. In: Bioinformatics in Agriculture. Editor(s): Pradeep Sharma, Dinesh Yadav, Rajarshi Kumar Gaur, Academic Press, US, 2022, Pages 513-536, **ISBN 9780323897785**, DOI: https://doi.org/10.1016/B978-0-323-89778-5.00019-2.

C. Paper presented/abstract published in conferences/seminars/symposia

S.N.	Title of paper presented	Authors	Title of Conference/ Seminar	Organized by
International conferences/seminars/symposia				
1.	A peroxidase from curry patta (Murraya koenigii): Purification, immobilization, characterization and application	**Veda P Pandey**, Nadira Khatoon, Shakra Nazli, Kusum Yadav, Upendra N. Dwivedi	International Conference BioSangam 2020: Biotechnological Interventions for Societal Development (February 21-23, 2020)	Motilal Nehru National Institute of Technology (MNNIT), Allahabad.
2.	Gene cloning, heterologous expression, purification and in-silico characterization of a defense associated peroxidase from lemon	**Veda P Pandey**, Shagoofa Ali, Apoorvi Tyagi, Sameeksha Tiwari, Ajit K. Shasany and Upendra N. Dwivedi	International conference on "Functional Biology and Molecular Interactions: Applications in Health and Agriculture (FBMI 2017). (December 20-22 2017)	Department of Biochemistry, Lucknow University
3.	tRNA and U5 snRNA as putative riboswitches in A. thaliana: Identified through Genome wide screening using position-specific-sequence-pattern (PSSP) profiles	Sameeksha Tiwari, Marutinandan Shukla, Om Prakash, **Veda P. Pandey** and Upendra N. Dwivedi	International conference on "Functional Biology and Molecular Interactions: Applications in Health and Agriculture. (December 20-22 2017)	artment of Biochemistry, Lucknow University
4.	Chitosan immobilized novel peroxidase from *Azadirachta indica*: Characterization and application	**Veda P Pandey**, Jyoti Rani, Nivedita Jaiswal, Swati Singh, Manika Awasthi, Ajit K. Shasany and Upendra N. Dwivedi	11th Asia Pasific chitin & chitosan symposium & 5th Indian chitin & chitosan society symposium – 2016, Kochi (September 28-30, 2016)	Indian chitin & chitosan society
5.	Terpenoids as promising therapeutic molecules against Alzheimer's disease: Amyloid beta and acetylcholinesterase directed pharmacokinetic and molecular docking analyses	Manika Awasthi, Arun K Upadhyay, Swati Singh, **Veda P Pandey** and Upendra N Dwivedi	3rd World Congress on Pharmacology (August 08-10, 2016)	Birmingham, UK
6.	A novel peroxidase from *Murraya koenigii*, offering resistance to heat, heavy metals and organic solvents.	**Veda P. Pandey**, Rohit Gupta, Swati Singh, Manika Awasthi, U. N. Dwivedi.	International Conference on Translational Biotechnology 'BioSangam 2016' (February 4-6, 2016).	Motilal Nehru National Institute of Technology (MNNIT), Allahabad.
7.	Temporal expression, native enzyme purification, gene cloning, heterologous expression and in- silico analyses of papaya peroxidase.	**Veda P Pandey,** Nivedita Jaiswal, Manika Awasthi, Swati Singh and U. N. Dwivedi (Young Scientist Presentation)	International Conference on Biotechnological Advancements in Free Radical Biology and Medicine ICBAFM.– 2015 (November 14-16, 2015).	Department of Biosciences and Bioengineering, Integral University, Lucknow.
8.	Reactive oxygen species (ROS) metabolism during *Carica papaya* fruit ripening and temporal expression, cloning and *in-silico* studies on peroxidase. (September 22-25, 2012).	**Veda P. Pandey**, Swati Singh, Huma Naaz and Upendra N. Dwivedi.	4th EMBO Meeting 2012 at Nice, France	European Molecular Biology Organization (EMBO)
9.	Identification of Acetylcholinesterase Targeted Novel Alkaloids as Potential Therapeutic Agents for Alzheimer's disease: An *in-silico* Approach. Pharmaceutica Analytica Acta, 3, 114 (2012).	Huma Naaz, Swati Singh, **Veda P. Pandey**, Priyanka Singh and Upendra N. Dwivedi	2nd International Conference on Pharmaceutics & Novel Drug Delivery Systems, San Francisco.	OMICS

10.	*In-silico* comparative Analysis of Bacteria, Fungi and Plant Laccases. (March 25-28, 2010) pp. 135	Priyanka Singh, **Veda P. Pandey**, Anoop Kumar, Upendra N. Dwivedi.	Ist International Federation of Information Processing (IFIP) international conference on Bioinformatics	SVNIT, Surat.
National conferences/seminars/symposia				
11.	A comparative study on plant peroxidases from the point of view of their industrial application	**Veda P. Pandey**, Kusum Yadav, Dileep Kumar and Upendra N. Dwivedi	National Seminar on Recent Advances in Biochemistry and Biotechnology "RABB 2021" (March 20, 2021)	Department of Biochemistry, University of Lucknow
12.	Screening and identification of plant thermostable peroxidases for industrial exploitation	**Veda P. Pandey**, Rohit Gupta and Upendra N. Dwivedi	Recent Advances in Applied Biochemistry and Biotechnology-2019 (RAABB) (March 09, 2019)	Department of Biochemistry, University of Lucknow
13.	Immobilization and characterization of a thermostable *Moringa oleifera* peroxidase in chitosan and alginate matrices: a comparative study	**Veda P Pandey**, Apoorvi Tyagi, Shagoofa Ali, Sameeksha Tiwari, A. K. Shasany and Upendra N. Dwivedi	86th Conference of Society of Biological Chemists. Emerging Discoveries in Health and Agricultural Sciences. (16-19 November 2017)	JNU, New Delhi
14.	A novel thermostable peroxidase from *Tropaeolum majus:* purification, characterization and application in bioremediation	**Veda P. Pandey** and Upendra N. Dwivedi	104th Indian Science Congress, (January 03-07, 2017)	S V University, Tirupati
15.	Gene cloning, expression and in-silico analyses of a ripening associated papaya peroxidase.	**Veda P. Pandey**, Nivedita Jaiswal and U. N. Dwivedi	National Seminar on Paradigm shift in Biochemistry: Emerging Trends and New Vistas. September 10, 2016	Department of Biochemistry, University of Lucknow.
16.	Identification of novel targets in *Xylella fastidiosa* 9a5c and M12strains causing citrus variegated chlorosis and almond leaf scorch disease using subtractive genomics approach	Sameeksha Tiwari, Satyaram Singh, Manika Awasthi, Swati Singh, **Veda P. Pandey**, U. N. Dwivedi	National Seminar on Paradigm shift in Biochemistry: Emerging Trends and New Vistas, September 10, 2016	Department of Biochemistry, University of Lucknow
17.	Molecular docking and 3D-QSAR-based virtual screening of flavonoids as potential aromatase inhibitors against estrogen-dependent breast cancer	Manika Awasthi, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi	National Seminar on Paradigm shift in Biochemistry: Emerging Trends and New Vistas. September 10, 2016	Department of Biochemistry, University of Lucknow,
18.	Papaya fruit and leaf cinnamyl alcohol dehydrogenase: purification, characterization and comparative analysis	Rajneesh K. Srivastava, **Veda P Pandey** and U. N. Dwivedi	National Seminar on Paradigm shift in Biochemistry: Emerging Trends and New Vistas. September 10, 2016	Department of Biochemistry, University of Lucknow,
19.	A novel peroxidase from *Murraya koenigii*: Purification, characterization and application.	**Veda P. Pandey,** Rohit Gupta, Swati Singh, Manika Awasthi and U. N. Dwivedi	National Conference on Lifestyles and Chronic Diseases: A Threat to Sustainable Public Health. (March 09-10, 2016).	Sky Institute, Lucknow
20.	ADMET Screening, molecular docking and dynamics simulation studies of selected anti-inflammatory and anti-cancerous plant derived secondary metabolites against lipoxygenase.	Swati Singh, Manika Awasthi, **Veda P. Pandey** and Upendra N. Dwivedi	National Conference on Lifestyles and Chronic Diseases: A Threat to Sustainable Public Health (March 09-10, 2016).	Sky Institute, Lucknow
21.	CoMFA and CoMSIA based 3D-QSAR analyses of resveratrol derivatives as amyloid-beta aggregation inhibitors against Alzheimer's disease.	Manika Awasthi, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi	National Conference on Lifestyles and Chronic Diseases: A Threat to Sustainable Public Health (March 09-10, 2016)	Sky Institute, Lucknow
22.	Does Zn^{+2} modulate structure and function of Cinnamyl Alcohol Dehydrogenase from *Leucaena Leucocephala*	Brijesh Pandey, **Veda P Pandey,** Upendra N. Dwivedi.	103rd Indian Science Congress meeting (January 03-07, 2016).	University of Mysuru, Mysuru.

23.	Elucidation of molecular basis of the dual functions of laccases with respect to lignin biosynthesis and degradation using *in-silico* approaches.	**Veda P Pandey,** Nivedita Jaiswal, Manika Awasthi, Swati Singh and U. N. Dwivedi.	National Conference on Bioinformatics Panorama in Agriculture and Health (NCBPAH 2015) (October 05-06, 2015)	Department of Computational Biology& Bioinformatics, Jacob School of Biotechnology & Bio-Engineering, Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad
24.	In-silico screening and identification of anti-inflammatory and anti-cancerous plant derived secondary metabolites as therapeutic molecules against enzymatic targets COX, TOPO and Aromatase.	Swati Singh, Manika Awasthi, **Veda P Pandey** and U. N. Dwivedi.	National Conference on Bioinformatics Panorama in Agriculture and Health (NCBPAH 2015) (October 05-06, 2015)	Department of Computational Biology& Bioinformatics, Jacob School of Biotechnology & Bio-Engineering, Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad
25.	Amyloid beta and acetylcholinesterase directed terpenoids as promising therapeutic molecules against Alzheimer's disease: pharmacokinetic and molecular docking analyses.	Manika Awasthi, Arun Kumar Upadhyay, Swati Singh, **Veda P Pandey** and U. N. Dwivedi.	National Conference on Bioinformatics Panorama in Agriculture and Health (NCBPAH 2015) (October 05-06, 2015)	Department of Computational Biology& Bioinformatics, Jacob School of Biotechnology & Bio-Engineering, Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad
26.	Temporal expression, native enzyme purification, gene cloning, heterologous expression and in-silico analyses of papaya peroxidase.	**Veda P. Pandey**, Swati Singh. Manika Awasthi, Nivedita Jaiswal and U. N. Dwivedi.	102nd Indian Science Congress meeting, (January 02-07, 2015).	University of Mumbai, Mumbai.
27.	Designing potent inhibitors of amyloid-beta aggregation in Alzheimer's disease: 3D-contour map analyses of resveratrol derivatives using CoMFA and CoMSIA methods.	Manika Awasthi, Swati Singh, **Veda P. Pandey** and U. N. Dwivedi.	102nd Indian Science Congress meeting, (January 02-07, 2015).	University of Mumbai, Mumbai.
28.	Olivacine derivatives as anti-cancerous agents directed against DNA Topoisomerase IIβ: QSAR and pharmacophore analyses.	Swati Singh, Manika Awasthi, **Veda P. Pandey**, Brijesh Pandey and U. N. Dwivedi.	102nd Indian Science Congress meeting, (January 02-07, 2015).	University of Mumbai, Mumbai.
29.	Improved stability to heat, organic solvents and industrial dye decolorization by papaya laccase entrapped in chitosan beads.	Nivedita Jaiswal, **Veda P. Pandey** and U.N. Dwivedi.	Indian Science Congress meeting, (January 02-07, 2015).	University of Mumbai, Mumbai.
30.	In vitro modulation of cinnamyl alcohol dehydrogenase by Zn^{2+}: Is it so in vivo?	Brijesh Pandey, **Veda P. Pandey**, Upendra N. Dwivedi	83rd Symposium and Annual Meeting of Society of Biological Chemists (I), 2014	KIT, Bhuvaneshwar
31.	Papaya Fruit Peroxidase: Cloning, Expression and its In-silico Analyses	**Veda P. Pandey**.	9th National Research Scholars Meet in Life Sciences 2013 (December, 19-20, 2013).	ACTREC, Kharghar
32.	Comparative account on Leucaena leucocephala and Carica papaya laccases: purification, characterization and application in industrial dye decolorization.	Nivedita Jaiswal, **Veda P. Pandey** and Upendra N. Dwivedi.	National symposium on, recent advance in Biochemistry and Biotechnology: Application in health, environment and agriculture (October 329-31, 2013).	Department of Biochemistry, University of Lucknow, Lucknow
33.	A thermostable peroxidase from *Citrus limon*: purification, characterization and application in dye decolorization.	Prakash K. Bhagat, Ram G. Prajapati, **Veda P. Pandey**, Nivedita Jaiswal and U. N. Dwivedi	National symposium on, recent advance in Biochemistry and Biotechnology: Application in health, environment and agriculture (October 29-31, 2013).	Department of Biochemistry, University of Lucknow, Lucknow
34.	Molecular docking and ADMET based screening for DNA	Swati Singh, Tamal Das, Manika Awasthi, **Veda P.**	National symposium on, recent advance in Biochemistry and	Department of Biochemistry, University of

	topoisomerase directed anti-cancerous alkaloids.	**Pandey** and Upendra N. Dwivedi	Biotechnology: Application in health, environment and agriculture (October 29-31, 2013).	Lucknow, Lucknow
35.	Identification of novel flavonoids as potential aromatase inhibitors against breast cancer using molecular docking and 3D.QSAR based virtual screening.	Manika Awasthi, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi.	National symposium on, recent advance in Biochemistry and Biotechnology: Application in health, environment and agriculture (October 29-31, 2013).	Department of Biochemistry, University of Lucknow, Lucknow
36.	Papaya fruit ripening: cloning, expression and its in-silico analyses.	**Veda P. Pandey**, Nivedita Jaiswal and Upendra N. Dwivedi.	National symposium on, recent advance in Biochemistry and Biotechnology: Application in health, environment and agriculture (October 29-31, 2013).	Department of Biochemistry, University of Lucknow, Lucknow
37.	Low level of genetic diversity in pigeon pea (Cajanus cajan (L) Millsp.) compared to its wild relatives is revealed by PCR based DNA markers.	Kusum Yadav, Sanjay K. Yadav, Anurag Yadav, **Veda P. Pandey**, U. N. Dwivedi.	National symposium on, recent advance in Biochemistry and Biotechnology: Application in health, environment and agriculture (October 29-31, 2013).	Department of Biochemistry, University of Lucknow, Lucknow
38.	Molecular docking studies to map the binding site of human DNA topoisomerase I and II with selected terpenoids for their potential therapeutic application as anti-cancer molecules.	Swati Singh, Poonam Yadav, **Veda P. Pandey**, Brijesh Pandey and U.N. Dwivedi.	National conference on Women power in cutting edge Biotechnology, (October 17-18, 2013).	Amity University, Lucknow Campus
39.	Molecular docking and 3D-QSAR based virtual screening of flavonoids as potential aromatase inhibitors against breast cancer.	Manika Awasthi, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi	National conference on Women power in cutting edge Biotechnology, (October 17-18, 2013).	Amity University, Lucknow Campus
40.	Modulation of enzymatic antioxidants and phenyl propanoid pathway enzymes treatment in shoot calli of Leucaena leucocephala in response to salicylic acid.	Ruchi, Sheela Nagarkoti, Shikha Yadav, **Veda P. Pandey** and U. N. Dwivedi.	National seminar on Stress, Development and Adaptation: Biochemical Basis and Biotechnological Approaches (March 15-16, 2013).	Department of Biochemistry, Lucknow University, Lucknow
41.	Terpenoids as DNA topoisomerase inhibitors: In-silico approach towards anti-cancerous drug designing.	Swati Singh, Poonam Yadav, **Veda P. Pandey**, Brijesh Pandey and U.N. Dwivedi	National seminar on Stress, Development and Adaptation: Biochemical Basis and Biotechnological Approaches (March 15-16, 2013).	Department of Biochemistry, Lucknow University, Lucknow
42.	Development of a simple and quick purification method for laccase from a tree legume, *Leucaena leucocephala*.	Nivedita Jaiswal, **Veda P. Pandey** and U. N. Dwivedi.	National seminar on Stress, Development and Adaptation: Biochemical Basis and Biotechnological Approaches (March 15-16, 2013).	Department of Biochemistry, Lucknow University, Lucknow
43.	Digital Repository of Medicinal Plant Secondary Metabolites.	Manika Awasthi, Swati Singh, Huma Naaz, **Veda P. Pandey**, Priyanka Singh and U. N. Dwivedi.	National seminar on Stress, Development and Adaptation: Biochemical Basis and Biotechnological Approaches (March 15-16, 2013).	Department of Biochemistry, Lucknow University, Lucknow
44.	Molecular docking studies on human DNA topoisomerase with selected terpenoids for their potential therapeutic application as anti-cancerous molecules.	Swati Singh, Ponam Yadav, **Veda P. Pandey**, Brijesh Pandey and Upendra N. Dwivedi	National symposium on Bioinformatics in Biodiversity management, (February 02, 2013).	National Botanical Research Institute (NBRI), Lucknow
45.	Screening and identification of plant secondary metabolites against leishmaniasis: molecular docking studies with trypanothione reductase of L. donovani.	Ravi Parihar, Huma Naaz, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi	National symposium on Bioinformatics in Biodiversity management, (February 02, 2013).	National Botanical Research Institute (NBRI), Lucknow

46.	Digital database of medicinal metabolites (DDMM).	Manika Awasthi, Swati Singh, Huma Naaz, **Veda P. Pandey**, Priyanka Singh and Upendra N. Dwivedi.	National symposium on Bioinformatics in Biodiversity management, (February 02, 2013).	National Botanical Research Institute (NBRI), Lucknow
47.	Temporal Expression, Cloning and In-Silico Studies on Peroxidase during Carica Papaya Fruit Ripening.	**Veda P. Pandey**, Swati Singh, Huma Naaz and Upendra N. Dwivedi.	National symposium on Bioinformatics Challenges in the Postgenomic era, (February 1, 2012).	Jammu University, Jammu
48.	Reactive Oxygen Species (ROS) metabolism during Carica papaya fruit ripening and temporal expression, cloning & in-silico studies on peroxidase. (Oral presentation).	**Veda P. Pandey**, Swati Singh and Upendra N. Dwivedi	National Seminar on Reactive Oxygen Species: Roles in Animal and Plant Biology	Department of Biochemistry, University of Lucknow, Lucknow (Dec. 23-24, 2011)
49.	Phylogenetic analysis, homology modeling and docking studies of bacterial, fungal and plant heme peroxidases.	Swati Singh, **Veda P. Pandey**, Huma Naaz and Upendra N. Dwivedi.	National Seminar on Reactive Oxygen Species: Roles in Animal and Plant Biology	Department of Biochemistry, University of Lucknow, Lucknow (Dec. 23-24, 2011)
50.	Inter simple sequence repeats (ISSR) based genetic diversity among pigeon pea (Cajanus cajan (L) Millsp.) and its wild relatives.	Sanjay K. Yadav, Kusum Yadav, **Veda P. Pandey**, Anurag Yadav and U.N. Dwivedi	National Seminar on Reactive Oxygen Species: Roles in Animal and Plant Biology	Department of Biochemistry, University of Lucknow, Lucknow (Dec. 23-24, 2011)
51.	RAPD and ISSR fingerprinting and their comparative analysis of genetic variation among cultivated pigeon pea (Cajanus cajan (L) Millsp.) and its wild relatives (C. albicans and C. lineatus).	Kusum Yadav, Sanjay K. Yadav, Anurag Yadav, **Veda P. Pandey** and Upendra N. Dwivedi	National Seminar on Reactive Oxygen Species: Roles in Animal and Plant Biology	Department of Biochemistry, University of Lucknow, Lucknow (Dec. 23-24, 2011)
52.	Structure modeling and Docking Studies of human Cyclooxygenase for Identification of Novel Anti-Inflammatory Terpenoids. (ISSN No. 0972-6683)	Swati Singh, Huma Naaz, **Veda P. Pandey** and Upendra N. Dwivedi.	22nd all India Conference of Zoology & National seminar on recent advances in Biological Sciences: Biodiversity and Human Welfare (December 29-31, 2011)	Department of Zoology, Lucknow University, Lucknow
53.	Papaya Fruit Ripening: Purification, Expressional profiling and cloning of peroxidase.	**Veda P. Pandey**, Swati Singh, Rupinder Singh and Upendra N. Dwivedi.	National seminar on Biochemical and biotechnological research application for Bio-resource management of North east India towards Sustainable Rural development	Assam agriculture University, Biswanath Chariali, Sonitpur Assam (November 11-12, 2011)
54.	Identification of acetylcholinesterase targeted novel alkaloids as potential therapeutic agents for Alzheimer's disease: An in silico approach. (ISSN No. 0972-6683).	Huma Naaz, Swati Singh, **Veda P. Pandey** and Upendra N. Dwivedi.	22nd all India Conference of Zoology & National seminar on recent advances in Biological Sciences: Biodiversity and Human Welfare (December 29-31, 2011)	Department of Zoology, Lucknow University, Lucknow
55.	Genetic characterization and evaluation of relationships among pigeon pea (Cajanus cajan (L) Millsp.) Cultivars and its wild relatives by RAPD markers. (ISSN No. 0972-6683).	Sanjay K. Yadav, Kusum Yadav, **Veda P. Pandey**, Anurag Yadav, and U.N. Dwivedi.	22nd all India Conference of Zoology & National seminar on recent advances in Biological Sciences: Biodiversity and Human Welfare (December 29-31, 2011)	Department of Zoology, Lucknow University, Lucknow
56.	Genetic Diversity of Pigeon pea (Cajanus cajan (L) Millsp.) cultivars and its wild relatives using RAPD Markers.	Kusum Yadav, Sanjay K. Yadav, **Veda P. Pandey**, Anurag Yadav and U. N. Dwivedi.	X Agricultural Science Congress on Soil, Plant and animal Health for Enhanced and Sustained Agricultural productivity (Feb. 10-12, 2011).	NBFGR, Lucknow