**Poonam Trivedi**

**C/o Mr.Nitin Tripathi**

63/47, Harbans Mohal, Kanpur

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**TEACHING EXPERIENCE**

**Assistant Professor** in the Department of Biotechnology (Self Finance), Dayanand Girls’ P.G. College, Kanpur since **2004 –till date.**

**ACADEMIC ACHIEVEMENTS**

* **M.Sc.** Division I, 2003.
* **CSIR NET** Life Sciences, 2004.
* **Ph.D.** topic **“Hematological, Histopathological and Biochemical Changes induced by Smoke in Albino Rat”, 2014.**
* **GATE** Life Sciences, Percentile Score 96.11 (AIR-188), 2004.
* **GATE** Life Sciences, GATE Score 385, 2006.

**ADDITIONAL QUALIFICATION**

* Training in **ESDP** on Computer Hardware Maintenance under, Ministry of Micro, Small and Medium Enterprises, Govt. of India. (31/01/2008 – 10/03/2008).
* Diploma in **Urdu Language** under National Council for Promotion of Urdu Language, Ministry of Human Resource Development, (Department of Higher Education) Government of India. Registration No. CC35006, October 2008.

**TECHNICAL TEACHERS TRAINING PROGRAMME**

Seven days In-house Training Programme on **“Pedagogy for 21st Century Learners”,** organized by National Institute of Technical Teachers Training & Research Kolkata, Established by the Ministry of human Resource Development, Government of India, December 4-8, 2017.

**AWARDS AND RECOGNITIONS**

* **2nd Prize** in the All India Essay Competition, on the topic

**“Environment and Sustainable Development”**, organized by

Prof. R.N. Dubey Welfare Foundation, Allahabad, 2006.

* An article entitled **“Environment and Sustainable Development”** has been included in the book Environmental Ethics and Sustainable Development published by the Department of Geography, D.B.S.College, Kanpur.

**MEMBERSHIP OF ORGANIZATIONS**

* **Life Member** Indian Science Congress Association, 14, Dr. Biresh Guha Street, Calcutta. Membership No**. L12433**.
* Member of the **Star College Scheme of DBT**, Ministry of Science and Technology, Govt. of India at D.G.P.G. College, Kanpur.
* Member of the **National Bioinformatics Infrastructure facility Centre of DBT**, Ministry of Science and Technology, Govt. of India at D.G.P.G. College, Kanpur.

**PRACTICAL KNOWLEDGE**

* Tissue Culture Techniques
* DNA isolation
* Blood tests
* Biophysical Techniques(Electrophoresis, Colorimetry, Chromatography,Spectrophotometric technique,Centrifugation,Microscopy)
* Qualitative and Quantitative estimations of biomolecules.
* PCR
* Biochemical Estimation of biomolecules

# EDUCATIONAL TOURS ORGANIZED

* **Central Drug Research Institute, Lucknow**
* Parag Dairy, Kanpur Science City , Lucknow
* Science City , Lucknow

**ADMINISTRATIVE EXPERIENCE**

* Organizing Committee Member in the National Seminar on **“Combating Pollution to Create a Healthier Planet”**, jointly organized by The Indian Science Congress Association (Kanpur Chapter), Indian Society of Life Sciences and Department of Zoology, Dayanand Girls’ P.G. College, Kanpur, Dec.10-12, 2007.
* Registration committee member in the UGC sponsored 3rd National Seminar on **“Spectroscopy: Its Relevance to Various Fields of Science”**, Organized by the Department of Chemistry, Dayanand Girls’ P.G. College, Kanpur November 19- 20, 2009.
* Organizing Committee Member of the guest lecture series on **“Biotechnology in Human Welfare”**, organized by the Department of Biotechnology, Dayanand Girls’ P.G. College, Kanpur, February 23, 2010.
* Organizing Committee Member of the Seminar on **“Emerging Frontiers and Challenges in Biotechnology”**, organized by the Department of Biotechnology, Dayanand Girls’ P.G. College, Kanpur, February 18, 2012.
* Organizing Committee Member of the 3 day workshop on **“Expanding horizons and Changing Dynamics in Biotechnological Research”** and hands-on session on **“ Polymerase Chain Reaction (PCR) Techniques and its Applications”** organized by the Department of Biotechnology, Dayanand Girls’ P.G. College, Kanpur, November 07-09, 2012.
* Organizing Committee Member, Regional Rural Science Congress on **“Innovations in Science and Technology for Inclusive Development”** organized by Indian Science Congress Association Kanpur Chapter, Kanpur and Dayanand Girls’ P.G. College, Kanpur, November 23-24, 2013.
* Guided the **Dissertation work** of postgraduate students.

**WORKSHOPS ATTENDED**

* Three Day Workshop on **“Polymerase Chain Reaction (PCR) Techniques and its Applications”**, organized by the Department of Biotechnology, Dayanand Girls’ P.G. College, Kanpur, November 07-09, 2012.
* Two Day Workshop on **“Environment Awareness/ Education”**, organized by Brahmanand College, Kanpur, April 20-21, 2012.
* Four Day Workshop on **“Recent Avenues in Bioinformatics”,** organized by Bioinformatics Facility Centre (DBT), Dayanand Girls’ P.G. College, Kanpur, November 12-15,2014.
* Seven days Workshop on **“Future challenges in Bioinformatics”,** organized by National Bioinformatics Infrastructure Facility Centre of DBT D.G.P. G. College, Kanpur ,October 8-14, 2015.
* Lecture series and workshop on **“Applied Molcular Biotechnology: The Next Generation of Genetic Engineering”,** organized by the Department of Biotechnology, D.G.P.G. College, Kanpur and Chaperon Biotech. Pvt.Ltd.,November 23-29, 2016. Syposium attended entitled, **“Recent Advances in Biochemical and Molecular Diagnostics”,** organized by the Department of Biochemistry, G.S.V.M. Medical College Kanpur, February 19-20, 2016.
* **7 Days National Workshop Entitled “ Quantitative & Qualitative Analysis Of Protein And Lipids”.Organized By The Department of Zoology D.G.P.G.College, Kanpur Under The Star College Scheme Of D.B.T, Ministry Of Science & Technology.Govt Of India, 25 -31 Oct 2017.**
* **7 Days Workshop Entitled On “In House Training Programme On Pedagogy For 21 Century Learners” Organized By National Institute Of Technical Teachers”. Training & Research Kolkata ,Dec 4-8 2017.**
* **7 Days Workshop On “Next Generation Of Computational Approches in Science and Technology”Organized by Department Of Biotechnology,Ministry of Science and Technology Goverment Of India, Bioinformatics Infrastructure Facility Centre ,D.G.P.G.College, Kanpur.October20-26 2018.**

**PAPER PRESENTED**

* Paper presented entitled “ **Glutathione: Systemic Protectants Against Oxidative and Free Radical Damage”,** DST ,ICMR, CSIR New Delhi sponsored National Conference on **Immunology in Health and Disease,** January 11-12, 2006.
* Paper published entitled **“Toxicological Effects of Inhaled Mosquito Coil Smoke on the Albino Rat: A Hematological Study”**, UGC sponsored National Seminar on Global Perspective of Biological

Researches in the Present Scenario organized by the Department of

Botany, D.G.P.G. College, Kanpur, Dec. 7-8, 2010, Pg. No. 156-158.

* Lecture presented on the Topic entitled, **“Natural Mosquito Repellants”,** National Seminar on Role of Science and Technology with Relevance to National Swachhata Abhiyan , Department of Higher Education, Govt. of U.P.,March 29-30, 2018.

**POSTER PRESENTATION**

* **“Application of Biotechnological Approaches to Incorporate Value Added Traits in Grain Legumes”**, International Conference on Post- Harvest Technology and Value Addition in Cereals, Pulses and Oil Seeds, organized by Indian Society of Agricultural Biochemists and Department of Agricultural Biochemistry C.S. Azad University of Agriculture and Technology, Sponsored by Indian Council of Agricultural Research, New Delhi, Agricultural and Processed Food Products Development Authority, November 27-30, 2006.
* **“Biopharmaceuticals: Advances and Future Prospects”**, International Conference on Post- Harvest Technology and Value Addition in Cereals, Pulses and Oil Seeds, organized by Indian Society of Agricultural Biochemists and Department of Agricultural Biochemistry C.S. Azad University of Agriculture and Technology, Sponsored by Indian Council of Agricultural Research, New Delhi, Agricultural and Processed Food Products Development Authority, November 27-30, 2006.
* **“Biotechnology in Sustainable Agriculture”**, National Conference on Scope and Applications of Microbes in Agriculture and Environment, organized by Department of Microbiology, Institute of Biosciences and Biotechnology, C.S.J.M. University, Kanpur, February 19-21, 2007.
* **“Biotechnological Approaches to Combat Global Warming”**, National Conference on Scientific and Legal Challenges of Global Warming, organized by Brahmanand College, Kanpur, February 25-26, 2008.
* **“Potential Risk Factors Associated with Exposure to Cadmium”**, National Conference on Scientific and Legal Challenges of Global Warming organized by Brahmanand College, Kanpur, February 25-26, 2008, Pg. No. 102.

**PUBLICATIONS**

* Paper published entitled, **“Computational Repositioning of Ethno Medicine Elucidated Anti-Harper Drug Target, E6 (1C4Z),** in Research Journal of Molecular Enzymology and Drug Targets 2018. DOI 10.21767/2572-5394.100022.
* Paper published entitled **“Risk of Human Health by Tobacco Smoke as a Source of Air Pollution”**, National Seminar on Recent Trends in Biological Scenario organised by the Department of Botany, Dayanand Girls’ P.G. College, Kanpur, Dec. 03, 2009, Pg. No. 53-55.
* Paper published entitled **“Toxicological Effects of Inhaled Mosquito Coil Smoke on the Albino Rat: A Hematological Study”**, UGC sponsored National Seminar on Global Perspective of Biological Researches in the Present Scenario organized by the Department of Botany, D.G.P.G. College, Kanpur, Dec. 7-8, 2010, Pg. No. 156-158.
* Abstractpublished entitled **“Umbilical Cord Blood Stem Cells Transplant Therapy**”, National Seminar on New Horizons in Biosciences organized by the Department of Botany, Dayanand Girls P.G. College, Kanpur, November 29-30, 2005 Pg. No.77.
* Abstract published entitled **“Women are More Susceptible than Man to Immunity”,** National Seminar on New Horizons in Biosciences organized by the Department of Botany, Dayanand Girls P.G. College, Kanpur, November 29-30, 2005 Pg. No. 95.
* Abstract published entitled **“Biotransformation Using Plant Cell Culture”,** National Seminar on New Horizons in Biosciences organized by the Department of Botany, Dayanand Girls P.G. College, Kanpur, November 29-30, 2005 Pg. No. 120.
* Abstract published entitled **“Application of Biotechnological Approaches to Incorporate Value Added Traits in Grain Legumes”**, International Conference on Post- Harvest Technology and Value Addition in Cereals, Pulses and Oil Seeds, organized by Indian Society of Agricultural Biochemists and Department of Agricultural Biochemistry C.S. Azad University of Agriculture and Technology, Sponsored by Indian Council of Agricultural Research, New Delhi, Agricultural and Processed Food Products Development Authority, November 27-30, 2006, Pg. No. 124-125.
* Abstract published entitled **“Biopharmaceuticals: Advances and Future Prospects”**, International Conference on Post- Harvest Technology and Value Addition in Cereals, Pulses and Oil Seeds, organized by Indian Society of Agricultural Biochemists and Department of Agricultural Biochemistry C.S. Azad University of Agriculture and Technology, Sponsored by Indian Council of Agricultural Research, New Delhi, Agricultural and Processed Food Products Development Authority, Nov. 27-30, 2006, Pg. No. 125-126.
* Abstract published entitled **“Selenium: An Antioxidant, Immunomodulator and Anticarcinogen”**, National Seminar on Innovations in Biosciences organized by the Department of Zoology, D.B.S. College, Kanpur, December 11-12, 2006, Pg. No.43.
* Abstract published entitled **“Biotechnology in Sustainable Agriculture”**, National Conference on Scope and Applications of Microbes in Agriculture and Environment, organized by Department of Microbiology, Institute of Biosciences and Biotechnology, C.S.J.M. University, Kanpur, February 19-21,2007, Pg. No. 26.
* Abstract published entitled **“Sustainable Farming: Use of Grain Legumes and their Improvement”**, National Conference on Scope and Applications of Microbes in Agriculture and Environment, organized by Department of Microbiology, Institute of Biosciences and Biotechnology, C.S.J.M. University, Kanpur, February 19-21,2007, Pg. No.53.
* Abstract published entitled **“Immunological Changes Associated with Tobacco Smoke”**, National Seminar on Combating Pollution to Create a Healthier Planet, December 10-12, 2007, Pg. No. 149-150.
* Abstract published entitled **“Biotechnological Approaches to Combat Global Warming”**, National Conference on Scientific and Legal Challenges of Global Warming, organized by Brahmananad College, Kanpur, February 25-26, 2008, Pg. No. 99.
* Abstract published entitled **“Potential Risk Factors Associated with Exposure to Cadmium”,** National Conference on Scientific and Legal Challenges of Global Warming, organized by BND College, Kanpur, Feb. 25-26, 2008, Pg. No.102.
* Abstract published entitled **“Nanotechnology: A Remedy to Reduce Air Pollution”**, International Seminar on Biotechnology For Today’s World organized by the Department of Zoology, D.B.S. College, Kanpur, December 02-03, 2008, Pg. No.64.
* Abstract published entitled **“Health Hazards Due to Mosquito Repellant Coils”**, 22nd National Symposium on Recent Advances in Zoological Sciences: Applications to Agriculture, Environment and Human Health, organized by Department of Zoology, College of Basic Sciences&Humanities PAU, Ludhiana and Indian Society of Life Sciences, Kanpur with Society for the Advancement of Academics, Sports and Cultural Activities, PAU Zoological Society, PAU, Ludhiana, November 6-7, 2008, Pg. No.28.
* Abstract published entitled **“Oxidative- Antioxidative Changes Relative to Exposure of Cigarette Smoke”**, 22nd National Symposium on Recent Advances in Zoological Sciences: Applications to Agriculture, Environment and Human Health, organized by Department of Zoology, College of Basic Sciences&Humanities PAU, Ludhiana and Indian Society of Life Sciences, Kanpur with Society for the Advancement of Academics, Sports and Cultural Activities, PAU Zoological Society, PAU, Ludhiana, Nov. 6-7, 2008, Pg. No.29.
* Abstract published entitled **“Spectrophotometric Analysis in Toxicity Assessment”**, UGC sponsored 3rd National Seminar on Spectroscopy: Its Relevance to Various Fields of Science organized by Department of Chemistry, Dayanand Girls’ P.G. College, Kanpur , November 19-20, 2009, Pg. No. 42.
* Abstract published entitled **“Toxicological Effects of Inhaled Mosquito Coil Smoke on Albino Rat”**, UGC sponsored National Seminar on Aftermath of Global Changes on Biological World organized by the Dept. of Zoology, Dayanand Girls’ P.G. College, Kanpur and Indian Science Congress Association Kanpur Chapter, Nov. 20-22, 2010, Pg. No. 8-9.
* Abstract published entitled **“Recent Advances in Proteomics”**, National Seminar on Science for Shaping the Future of India organized by Indian Science Congress Association Kanpur Chapter, Department of Zoology, DAV College, Kanpur& Dayanand Girls’ P.G. College, Kanpur, December 3-4, 2012, Pg. No. 84-85.
* Abstract published entitled **“Fluorescence Spectroscopy: An Excellent Diagnostic Tool in Medical Sciences”**, National Seminar on Emerging Trends in Spectroscopy organized by the Department of Physics, Brahmanand College, Kanpur sponsored by National Academy of Sciences, Allahabad, December 19, 2012, Pg. No. 54.
* Abstract published entitled **“Using Stem Cell Expansion to Make Gene Therapy Safer”**, Seminar on Emerging Frontiers and Challenges in Biotechnology, February 18, 2012, Pg. No. 112.
* Abstract published entitled **“Future of Proteomics in Cardiology”**, Seminar on Emerging Frontiers and Challenges in Biotechnology, February 18, 2012, Pg. No. 123-124.
* Abstract published entitled **“Pharmacological effects Related to Smoking”**, Regional Rural Science Congress on Innovations in Science and Technology for Inclusive Development organized by Indian Science Congress Association Kanpur Chapter, November 23-24, 2013, Pg. No.42-43.
* Abstract published entitled **“Proteomics: New Biomedical Opportunities”**, Regional Rural Science Congress on Innovations in Science and Technology for Inclusive Development organized by Indian Science Congress Association Kanpur Chapter, November 23-24, 2013, Pg. No.44.

**ONLINE QUIZ**

Successfully participated in “**National Level COVID-19 Awareness Online Quiz Competition”** organized under Unnat Bharat Abhiyan project. Ministry of Human Resource Development (MHRD) during 2nd June 2020-7th June 2020.

Successfully participated in “**Pictorial E- Quiz on World Day to Combat Desertification and Drought”** conducted by the Department of Chemistry M.V. Muthiah Government Arts College for Women, Dindigul Tamilnadu from 15/06/2020 to 17/06/2020.

Successfully participated in E- Quiz on “**Environmental Issues and COVID-19”** jointly organized by Society of Biological Sciences and Rural Development (SBSRD) and Society for Agriculture and Allied Research (SAAR) on the occasion of World Environmental Day 5th June, 2020.

**COURSE COMPLETED**

Successfully completed the course spanning over 12 modules,organized by Energy Swaraj Foundation on 25-03-2023.

**PERSONAL DETAILS**

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| **Name** | Poonam Trivedi |
| **Father’s Name** | Mr. Jagdish Trivedi |
| **Marital Status** | Married |
| **Address of Correspondance** | C/o Mr. Nitin Tripathi  63/47, Harbans Mohal, Kanpur.  Mob No: 09839685704,9151519996  Email:ptknpr@gmail.com |