

## Prerna Pandey

Skilled and dynamic professional with **PhD in Biotechnology**, seeking a responsible position to utilize my skills and experience

Email: [prernapandey@hotmail.com](mailto:prernapandey@hotmail.com)

### Professional strengths

- Doctorate in Biotechnology, with more than seven years of professional, wet-lab experience in life science research and five-year experience in academic publishing
- Extensive experience in editing and writing various forms of scientific manuscripts (books, thesis, reviews, abstracts, chapters, and research articles)
- Certificate holder in Scientific writing (online, Stanford Sci\_write), certificate holder in editing and proofreading (PE1 and PF1 online, Society for Editors and Proof-readers, UK), and well versed with different styles (Harvard, APA, AMA)
- Ability to interpret complex scientific ideas in a simple and accurate manner. I have clients who trust me with their work since the time they started working with me
- Effective planner, communicator, a team worker, adheres to deadlines, fast learner and adapts to new developments

### Work experience

**Freelancer science editor, writer** (March 2014 - Present)

**Freelance science editor, pharmaceutical sciences** (October 2019 - Present), Cactus Communications (Global)

**Freelance science editor** (March 2017 to present), SCI Help (China); Sci-Edit Publications (July 2019 to present)

Clients: **Apple Academic Press** (May 2016 - Present); **Delve Publications** (2017 - Present)

- Currently handling a small team of freelancers, coordinating with clients, deciding the budgets, deadlines, and other specifics of the projects
- Soliciting manuscripts and working with authors and freelancers to guide them through the first draft, and performing developmental editing depending upon the content of the draft.
- Coordinating production schedules, tracking projects, and setting individual priorities to complete work on time.
- Reading and reviewing layouts for consistency and house style, and if required, recommending journals for publications
- Writing, editing, proofreading and formatting documents in life sciences, biotechnology, pharmacology and other allied areas of biology.

- Formatting manuscripts (articles, books, reviews) as per the specified submission policies.
- Assist in evaluating finalized copy for compliance with policies, style and tone

**Subject matter expert (biology)** at Tutormate Technologies, Navi Mumbai (August 2017 to August 2018)

Developed content (11<sup>th</sup>, 12<sup>th</sup> biology), question banks and audio-visuals for the NEET exam, as well as for the NEET exam and making a question bank for the students.

**Honorary editor**, Bioinformatics Reviews (June 2016 to present)

**Research scientist** at Advanced Enzymes Technologies, Thane (August 2011 to 2013 March)

Objectives: Determination of molecular phenotype of production organisms and preparation of documents for the same.

**Senior executive, research and development** at TransAsia Biomedicals, Mumbai (March 2010 to 2011 August)

Objectives: Development of immunoassays for different diagnostic panels, preparation of documents for ISO certification, and preparation of the kit inserts, Material safety Data sheets, Project progress reports.

**Senior research fellow and PhD student** at International Centre for Genetic Engineering and Biotechnology, New Delhi (August 2005 to May 2009)

Objectives: Isolation of Tomato Leaf Curl Virus and construction of a virus-induced gene-silencing vector

**Senior research fellow** at International Centre for Genetic Engineering and Biotechnology, New Delhi (August 2004 to August 2005)

Objectives: Production and characterization of recombinant Var-C protein

**Research assistant** at Zydus Cadila Research Center, Ahmedabad (September 2000 to July 2001)

Objectives: Production of recombinant interferon alpha in yeast *Pichia pastoris* for therapeutic purposes

**Project student** at Maharaja Sayaji Rao University, Baroda (September 1998 to Jan 2000)

Objectives: Characterization and sequencing of *SUC2* (invertase) gene from isolate K5 (a strain of *Saccharomyces cerevisiae*) as a partial fulfilment of the M.Sc course.

## **Publications and Projects**

*(These are published on my name. I am under confidentiality agreement with my clients for other publications)*

## **Research papers, reviews, and blogs:**

- 'A geminiviral amplicon (VA) derived from Tomato Leaf Curl Virus (ToLCV) can replicate in a wide variety of plant species and also acts as a VIGS vector'. **Virology Journal (2009)**.
- 'Molecular characterisation of monopartite begomoviruses infecting tomato in India'. **Virology Journal (2010)**.
- **Sequence** of the isolated begomoviruses **submitted in the Data bank (NCBI):** DQ629101, DQ629102, DQ629103, DQ887537, DQ852623, EU589392, EU910141, EU910140, EU368372, EU482411. Among these, two are novel viruses at the time of isolation.
- 'Bioinformatics Challenges and Advances in RNA interference'. Bioinformatics Review, Vol 3 issue 6 (**2017**).
- Editor: Bioinformatics and Stem Cell Research: A Mini Review'. Bioinformatics Review; December **2018**. Available on: <https://bioinformaticsreview.com/20181229/bioinformatics-and-stem-cell-research-a-mini-review/>
- Blog: Management of Glioblastoma Multiforme in a Patient Treated with Ketogenic Metabolic Therapy and Modified Standard of Care: A 24-Month Follow-Up. Available on: <http://ketolifestyle.diet/cancer/gmccancer/>

#### Co-authored Books:

1. Biocatalysis and Agriculture Biotechnology: Fundamentals, Advances, and Practices for a Greener Future (**2018**, ISBN: 978-1-77188-689-5, Apple Academic Press)
2. Molecular Biology: Different Facets (**2017**, ISBN: 9781771886413, Apple Academic Press)
3. Cellular Therapy (**2018**, ISBN: 978-1773613710; Delve Publications)
4. Molecular diagnostics and infectious diseases (**2019**, ISBN: 978-1774071793; Delve Publications)

#### Edited and Co-Authored Books

1. Cell biology: New insights (**2017**, ISBN: 978-1-68095-754-9, Delve Publications)
2. Genetic Analysis: From genes to genomes (**2017**, ISBN: 978-1-68095-741-9, Delve Publishing)
3. Co-authored and edited books for Delve Publications (**Published in Dec 2017**)
  - Bionics: artificial life parts (ISBN: 9781773611860)
  - Role of Microbes in Restoration Ecology (ISBN: 978-1773611952)
  - Metabolomics (ISBN: 978-1773610627)
  - Molecular Wires (ISBN: 9781773611853)
  - Bacterial Growth and Division (ISBN-13: 978-1773611914)
  - Next Generation Sequencing and Microbial Ecology (ISBN-13: 978-1773611945)
  - Bacteriophages for Plant Disease Control (ISBN-13: 978-1773611969)
  - Animal Cloning (ISBN-13: 978-1773611877)
4. Co-authored books for Delve Publications (**published in 2018**)
  - RNAi Technologies (ISBN: 978-1773611471)
  - Synthetic Biology: New Insights (ISBN: 978-1773611495)
  - Pyrosequencing: Innovations and Applications (ISBN: 978-1773611501)
  - Metabolic Engineering: New Developments and Applications (ISBN: 9781773611488)
5. Co-authored and edited books for Delve Publications (**Published in Dec 2018**)

- Gene Editing: An Update (ISBN-13: 978-1773614731)
  - Biochemistry in Nutrition (ISBN-13: 978-1773614694)
  - Flow cytometry and Cell-Sorting (ISBN-13: 978-1773613888)
  - Remote Sensing in Biology: An Overview (ISBN-13: 978-1773611921)
  - Natural Additives in Fish Processing (ISBN: 978-1773614748)
6. Co-authored and edited books for Delve Publications (**Published in 2019**)
- Established codes of stem cell biology (ISBN: 9781774072288)
  - Stem cells: the beginning of regenerative medicine (ISBN: 9781774072295)
  - Genomics in Precision Medicine (ISBN: 978-1774073445)
  - Gels: Their Use in Life Sciences (ISBN: 978-1774073421)
  - Lipids in Health: Their Source, Composition, and Uses (ISBN: 978-1774073407)
  - Chromatography: An Invaluable Tool in Research and the Industry (ISBN: 978-1774073391)
7. Co-authored and edited books for Delve Publications (**Published in 2020**)
- An Insight into Killer Viruses that Cause Epidemics (ISBN: 9781774078051)

## Education

### Degree/Certificate

Basic Editing and Proofreading  
 Scientific writing  
 PhD (2007-2010; Biotechnology)  
 M.Sc (Microbiology)

### University/Institute

Society for Editors and Proofreaders, UK; 2016  
 Stanford online (sci\_write); 2014  
 ICGEB New Delhi / Banasthali University; 2011  
 Maharaja Sayajirao University, Baroda