

**Correspondence:** [nileshpandey.cips@charusat.ac.in](mailto:nileshpandey.cips@charusat.ac.in)  
C/119 Tejendranagar Part-7, [nilesh18pandey@gmail.com](mailto:nilesh18pandey@gmail.com)  
Tragad Road, Chandkheda, Mobile: +91-8758614785, +91-  
Ahmedabad-382470 9998464648



## Nilesh Omprakash Pandey, Ph.D.

*Career* To pursue a career in the research and academics with special focus in  
*Objectives:* Cancer biology and Molecular diagnostics

### Work Experience

March 2020-till **Assistant Professor**  
date **Charotar Institute of Paramedical Sciences, CHARUSAT, Changa, India**  
Cell & Cancer Biology, Stem cell technology

July 2012-Jan **Visiting lecturer**  
2019 **Manikaka Topawala Institute of Nursing, CHARUSAT, India**  
Clinical Genetics and Biochemistry

July 2015-June **Teaching Assistant**  
2016 **PD Patel Institute of Applied Sciences, CHARUSAT, India**  
Biophysics and Immunology

January 2017- **Visiting lecturer**  
July 2017 **Charotar Institute of Paramedical Sciences, CHARUSAT, India**  
Immunology

January 2018- **Teaching Assistant**  
December 2018 **PD Patel Institute of Applied Sciences, CHARUSAT, India**  
Enzymology and Medical biotechnology

### Research Publications: [Impact factor (IF), Cite Score (CS), SCImago Journal Rank (SJR)]

- 2019 Chauhan, A.\*, **Pandey, N.\***, Desai, A., Raithatha, N., Patel, P., Khandelwal, R., Choksi, Y., Kapadia, R., & Jain, N. Association of TLR4 and TLR9 gene polymorphisms and haplotypes with cervicitis susceptibility. PLoS One. 2019; 14(7): e022033 **Equal Contribution Authors \* (IF: 2.776)**
- 2019 **Pandey, N.\***, Chauhan, A.\*, Raithatha, N., Patel, P., Khandelwal, R., Desai, A., Choksi, Y., Kapadia, R., & Jain, N. Association of TLR4 and TLR9 polymorphisms and haplotypes with cervical cancer susceptibility. Scientific Reports 2019; 9(1):9729 **Equal Contribution Authors \* (IF: 4.011)**
- 2018 **Pandey, N.**, Chauhan, A., & Jain, N. (2018). TLR4 Polymorphisms and Expression in Solid Cancers. Molecular Diagnosis & Therapy, 2018; 22(6):683-702. **(IF: 3.058)**
- 2018 Chauhan, A., **Pandey, N.**, Raithatha, N., Patel, P., Desai, A., & Jain, N. (2018). Absence of toll-like receptor 9 Pro99Leu polymorphism in cervical cancer. F1000Research, 7. (CS: 2.5/SJR: 1.24)

- 2018 **Pandey, N., Chauhan, A., Raithatha, N., Patel, P., Desai, A., & Jain, N.** Absence of association between TLR4 Thr399Ile polymorphism and cervical cancer susceptibility. *Meta Gene*, 17, 249-255. (CS: 1.12/SJR: 0.39)

## Educational Qualifications:

- July 2012- October 2019 **Ph.D. (Molecular Oncology/ Applied Sciences)**  
P.D. Patel Institute of Applied Sciences (PDPIAS),  
Charotar University of Science and Technology (CHARUSAT),  
Changa, 388421, Anand, India  
**Thesis:** "Detection of TLR4 polymorphisms and their association with STIs, cervicitis and cervical cancer."  
**Research Supervisor:** Dr. Neeraj Jain, Ph.D. Assistant Professor (PDPIAS-CHARUSAT)
- June 2010-May 2012 **M.Sc. Biochemistry**  
PDPIAS,  
CHARUSAT, Changa, 388421, Anand, India  
Grades: 78.62%  
**Research Project:** "Genetic Association Studies of SMOC2 & Inducible Nitric Oxide Synthase Gene Single Nucleotide Polymorphisms (rs13208776, Inos-954, Ex16+14) in the Pathogenesis of Vitiligo in Gujarati Population"  
**Research Supervisor:** Dr. Shajil Madhvan, AGM, Research and Development at Nitta Gelatin India Limited Ernakulam, Kerala, India
- June 2007- May 2010 **B.Sc. Biochemistry**  
St. Xaviers College  
Gujarat University  
Ahmedabad- 380009, Gujarat, India  
Grades: 67%

## Awards, Certification & Fellowships:

- 14<sup>th</sup> to 18<sup>th</sup> October, 2019 Served as **Resource Person** in "Hands on Training on Cell Culture and Molecular Biology Techniques" organized by Ramanbhai Patel College of Pharmacy, CHARUSAT
- 25<sup>th</sup> to 27<sup>th</sup> September, 2019 Won "**Young Researcher Award**" for **oral presentation** entitled "Association of TLR4 and TLR9 polymorphisms and haplotypes with cervical cancer susceptibility" at **International Conference on Molecular Medicine, MOLMED-2019**
- 26th December 2016-10th January 2017 Served as an **External Expert** for the validation of the product "**Xpress DNA tissue mini kit**" at **MagGenome Technologies Pvt Ltd**, Cochin, Kerala, India
- Participated in the "**Global HPV LabNet proficiency study 2014**" of HPV International Reference Center, Karolinska Institute and Hospital, Stockholm, Sweden

## Membership: NA

## Official Administrative Roles:

- 2020 Internal Quality Assurance Cell (IQAC) Member (CIPS)
- 2020 E-newsletter member (CIPS)
- 2020 HRDC Member (CIPS)

## Technical Skills:

- Molecular Biology** DNA and RNA isolation, PCR, Real-time PCR, SNP analysis, RFLP, Gene expression analysis, Absolute quantification by Real-time PCR, Agarose and Polyacrylamide Gel electrophoresis, SDS-PAGE, Western blot
- Cell Culture** Maintenance and growth of human cervical cancer cell lines (SiHa, HeLa, CaSki, C33A), MTT assay, Growth curve, cell cycle analysis, DNA fragmentation assays, Apoptosis
- Biochemistry** Enzyme Assays
- Computer Analytics** SPSS, GraphPad Prism, Haploview, Mendeley, Windows and MS Office.

## Additional Research Experience

- December 2014-  
March 2017 Worked on research Project entitled **“To study anti-cancer effects of phosphonium ionic liquids on HPV positive and negative cell line”** sponsored by Gujarat Council On Science and Technology (GUJCOST), India.
- February 2016-  
March 2019 Worked as a Doctoral Fellow on Research Project entitled **“Detection of high risk HPVs, *Chlamydia trachomatis*, *Neisseria gonorrhoeae* and *Trichomonas vaginalis* infection and their association with TLR 4 and 9 SNPs to identify susceptibility markers in cervical cancer and cervicitis patients”** sponsored by CHARUSAT

## Conferences, Workshops, Proceedings: (Latest\*)

- 4<sup>th</sup> to 7<sup>th</sup> February  
2016 Alex Chauhan, **Nilesh Pandey**, Nitin Raithatha, Smruti Vaishnav, and Neeraj Jain **“Human Papillomavirus Infection in Chronic Cervicitis: Adding Insult to Injury!”** at “6<sup>th</sup> International Translational Cancer Research Conference” Ahmedabad.
- 9<sup>th</sup> -11<sup>th</sup> February,  
2017 Neeraj Jain, **Nilesh Pandey**, Alex Chauhan, Nitin Raithatha and Purvi Patel **“Evaluation of TLR4 and TLR9 gene single nucleotide polymorphisms in Cervical Cancer patients of Gujarat”** at “36<sup>th</sup> Annual Conference of IACR”, , Amala Cancer Research Centre, Thrissur, Kerala
- 25<sup>th</sup> to 27<sup>th</sup>  
September, 2019 **Nilesh Pandey**, Alex Chauhan, Nitin Raithatha, Purvi Patel, Ronak Khandelwal, Ajesh Desai , Yesha Choksi, Rutul Kapadia and Neeraj Jain **“Association of TLR4 and TLR9 polymorphisms and haplotypes with cervical cancer susceptibility”** at International Conference on Molecular Medicine, MOLMED-2019

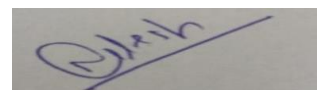
## Personal Details:

*Name* Nilesh Omprakash Pandey  
*Father's Name* Omprakash Pandey  
*DOB* 18th July, 1990  
*Marital Status* Single  
*Citizen Passport* Indian  
*Permanent Address* C/119 Tejendranagar Part-7, Tragad Road, Chandkheda, Ahmedabad, Gujarat,  
India

- ✓ I hereby declare that the information given herewith are correct to my knowledge
- ✓ Reference, recommendations and testimonials can be provided on request.

*Date:* 21<sup>st</sup> December, 2020

*Place:* Changa



(Signature)