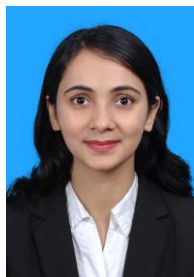


PERSONAL INFORMATION

Asmita Pandey



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✉ asmita@hust.edu.cn

💬 WeChat instant messenger As_Mee

Sex Female | Date of birth 28/02/1994 | Nationality Nepalese

STUDIES APPLIED FOR

Postgraduate Biochemistry and Molecular Biology

PERSONAL STATEMENT

Graduated in Biochemistry and Molecular Biology with strong experiences gained in the research field of nanomedicine for anticancer drug delivery, now seeking leverage an open source computational tools such as Data Mining, Text Mining, Machine Learning Algorithm and probability model to achieve higher diagnostic, prognostic and therapeutic performance in tumor cells.

EDUCATION AND TRAINING

(September 2016 – July 2018)

Master's degree in Biochemistry and Molecular Biology

Huazhong University of Science and Technology, Wuhan, Hubei Province, China

Principal subjects covered (English taught program)

- Bio nanotechnology and Nanomedicine
- Analytical strategy for Bioinformatics
- Biology engineering theory and technology
- Progresses of Molecular biology and Biochemistry
- Recent advances in Biopharmaceuticals
- Cell Signalling
- Cellular and Molecular immunology
- Tissue engineering and Artificial organs
- Advanced Biomaterial
- Advanced Medical Biology
- The Proceedings of Development Biology
- Plant Proteomics
- Advanced Neurobiology and Bioenergy

Skills acquired

- Strong experiences gained in synthesis and modification of Hydroxyethyl starch nanocarrier (HES-COOH, HES-SH), Gold nanorods (AuNRs), other organic chemicals as well as encapsulation of HES-SH with gold nanorod including analysis techniques and in-vivo, in-vitro experiments for promising photo thermal therapy of cancer

(September 2011 – July 2014)

Bachelor's degree in Microbiology

First division

Birendra Multiple Campus, Tribhuvan University, Bharatpur, Nepal

Principal subjects covered (English taught program)

- Medical, Food, Agricultural, Environmental and General Microbiology
- Biochemistry and Biotechnology
- Basic Chemistry, Research methodology, Biostatistics and Zoology

Skills acquired

- Strong experiences gained in microbiological (bacteria, virus, fungi) culture, staining, serological and serotype determination including analysis techniques

(April 2015 - November 2015)

Volunteering for 6 months (Unpaid)

Sukraraj Tropical and Infectious Disease Hospital, Teku, Kathmandu, Nepal

Skills acquired

- Strong experiences gained in different sections of Microbiology department (Biochemistry, Bacteriology, Virology / immunology, Parasitology)
- Strong ability to operate patients' samples including to check the antibiotic susceptibility and resistance of chemotherapeutic drugs

PERSONAL SKILLS

Mother tongue(s) Nepalese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	Academic language				
Chinese	A1	A1	A1	A1	A1
	Chinese language course provided by the university				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Good communication skills gained through my experience as a volunteer in hospital and an excellent communication interaction skills built up as a participant in an International Conference on Infectious Disease and Nanomedicine, 2015.

Scientific research experiences

- Worked in a significant project, "Hydroxyethyl starch as a promising alternative of Polyethylene glycol for targeted anticancer drug delivery".
- Have mastered in synthesis and modification of Hydroxyethyl starch (such as; HES-COOH, HES-SH), Gold nanorod, Pyridine dithioethylamine etc.
- Have gained good experiences in analytic techniques such as UV spectrophotometry, Transmission electron microscopy, Scanning electron microscopy, NMR, Raman spectroscopy and so on.
- Handy at in-vivo and in-vitro experiment for the delivery of HES-SH encapsulated with gold nanorod (CTAB stabilized) for photo thermal therapy of cancer.

Other skills

- Ability to arrange the intensity of experiment scientifically and reasonably
- Ability to establish and maintain productive relationship with people of all type and work well under pressure
- Creative thinking

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving

Proficient user	Proficient user	Proficient user	Independent user	Independent user
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Levels: Basic user - Independent user - Proficient user

Digital competences - Self-assessment grid

Tutorial based learning

- Strong ability in coding, mining, leveraging and analysing open source computational tool ([Big data](#), [Machine learning algorithms](#))
- Strong ability to use computer language program ([Python](#))
- Strong ability to use '[Chemdraw](#)' for the drawing of chemical structure of molecules
- Good command of '[Photoshop](#)' for drawing diagrams which explain mechanisms and mode of interactions
- Good command of office suite (word processor, spread sheet, presentation software)

ADDITIONAL INFORMATION

- | | |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Presentations | ▪ Poster presentation in Second International Conference on Infectious Disease and Nanomedicine, 2015. |
| Projects | ▪ Hydroxyethyl starch as a promising alternative of polyethylene glycol for targeted anticancer drug delivery, 2016 – 2018. |
| Conferences | ▪ Second International Conference on Infectious Disease and Nanomedicine, 2015. |
| Publications | ▪ Laxman Ghimire, Narayan Bahadur Karki, Kedar Prasad Century, Binod Raymajhee, Santoshi Chaudhary, Asmita Pandey, Arjun Raj Panta, Anup Bastola, Rajesh Shah, Sher Bahadur Pun (2015). Antibiotic susceptibility patterns of <i>Vibrio cholerae</i> isolates in Kathmandu in 2015. Book of Abstracts, Second International Conference on Infectious Disease and Nanomedicine (ICIDN-2015), Kathmandu, pp 57.
https://asmita-pandey.github.io/assets/pdf/ICIDN2015BookofAbstractsOnlineversion.pdf |
| Honours and awards | <ul style="list-style-type: none"> ▪ Recipient of award letter from Embassy of China and Ministry of Education, Nepal as a winner of "Chinese government scholarship 2016" to persuade Master's degree in Biochemistry and Molecular Biology major. ▪ Recipient of "Outstanding International Student's Award 2016/17" as an outstanding volunteer In Huazhong University of Science and Technology. ▪ Winner of "CAS-TWAS President's Fellowship 2018" to persuade PhD in Chinese Academy of Sciences. |
| References | ▪ References are available on request |
| Certifications | <ul style="list-style-type: none"> ▪ Certificate of poster presentation in 2015 ▪ Voluntary certificate from hospital in 2015 |

ANNEXES

- Copies of Enrolment certificate in M.S in Biochemistry and Molecular Biology
- Copies of degrees in BSc. Microbiology
- Certificate of Poster presentation, 2015
- Certificate of volunteering in hospital, 2015
- Award letter from embassy of china for winning the Chinese government scholarship 2016
- Nomination letter from Ministry of Education, Nepal for winning Chinese government scholarship, 2016