



CURRICULAM-VITAE



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|--------------------|----|---|--------|-----------|-------|---|
| Title | Dr | First Name | Sunita | Last Name | Jetly | Photograph |
| Designation | | Associate Professor | | | |  |
| Address | | Govindpuri , Kalkaji, New Delhi -19 | | | | |
| Phone No Office | | 01126294542 | | | | |
| Residence | | | | | | |
| Mobile | | | | | | |
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| Web-Page | | https://wikieducator.org/User:Vid | | | | |

| <u>Name of the Institution</u> | <u>Position held</u> | <u>Department</u> | <u>From</u> | <u>To</u> | <u>Total experience</u> |
|--------------------------------|----------------------|---------------------|-------------|-----------|-------------------------|
| Acharya Narendra Dev College | Lecturer | B.Sc.(H) | July | July | 3 years |
| | Ad Hoc | Zoology | 1997 | 2000 | |
| Acharya Narendra Dev College | Lecturer | B.Sc.(H) | September | July | 2 years |
| | permanent | Biomedical Sciences | 2000 | 2002 | |
| Acharya Narendra Dev College | Assistant | B.Sc.(H) | August | | 7 years |
| | Professor | Biomedical Sciences | 2002 | 2009 | |
| Acharya Narendra Dev College | Associate | B.Sc.(H) | September | Till | date |
| | Professor | Biomedical Sciences | 2009 | | |

Educational Qualifications

| Degree | Institution | Year |
|---------|---------------------|------|
| B.Sc. | University of Delhi | 1991 |
| M.Sc. | University of Delhi | 1993 |
| M.Phil. | University Of Delhi | 1994 |
| Ph.D. | University Of Delhi | 2018 |
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Career Profile

Dr Sunita Jetly (Associate Professor) one of the founder teachers of the course Biomedical Sciences in 1999 took to teaching as profession after a brief stint as Tehsildar in Madhya Pradesh. **Her passion is to interact with students beyond facts and create a teaching environment where students feel happy, energetic and are inspired to think so that they eventually develop vision to attain one's passion.**

Her doctoral degree (Ph.D.) is in Diagnostic of Leukemia from Dr B R Ambedkar Centre for Biomedical Research, University of Delhi wherein she developed a cost effective and quick method of detection of Chronic Myeloid Leukemia for which she has been granted **Patent** by government of India, A Student of Delhi university in graduation and post-graduation, she also attained expertise in FISH as a diagnostic tool for cervical carcinoma at Lady Harding Hospital. In addition she widened her horizon by her M. Phil. dissertation at Department of Zoology , University of Delhi on reviewing Intracellular symbionts of the Protozoan Cells. Educated as Zoologist and Trained as Molecular Biologist in her research, she uses her eclectic grooming in teaching Human Physiology, Anatomy, Pathology, Cancer and Social and Preventive Medicine to students.

Recipient of University Gold Medal For her first position in graduation, she is also recipient of Agnes Scot Award for Development Biology. She was given twice University scholarship for meritorious student . A reviewer with Consortium of Education , UGC and Resource person with NCERT, she has aired Science programs with University FM.

A walkathon enthusiast, she has participated in several marathons and has won first prize in Shot Put-faculty (women) consecutively for three years. A social activist with number of philanthropic work like Planting of trees, free medical camps, distribution of food in the wake of COVID -19 pandemic , she believes in creating a world where we can live feelingly and humanly. She has mentored several students for research projects (both wet lab and surveys) under DBT-Star and ELITE schemes

Administrative Assignments

- Head of Department of Biomedical Sciences 2005-07, 2009-10, 2018- 2019
- Internal Quality Assurance Committee member 2019-2020
- Member of committee for syllabus revision of B.Sc. (Hons)Biomedical Science. 2007-12, 2016,2018

- Member of University Technical Committee for the purchase of college equipment 2007-08
- Member of finance committee of the college 2017-18
- Admission Convener of the College 2017-18

Curriculum Development

- Member of committee for syllabus revision of B.Sc.(Hons)Biomedical Science. 2007-12, 2016,2018
- Resource person with Consortium for Educational Communication, an interuniversity center set up by UGC
- Resource person with NCERT
- Resource Person with ILL- Institute of lifelong learning, Preparation of the course material for newly designed course of B.Sc. Life Sciences. 2008

Areas of Interest / Specialization

Cancer, Physiology , Pathology and Social Preventive Medicine

Subjects Taught

Physiology, Pathology, Social And Preventive Medicine, Cell biology, Chordates, Non Chordates, Embryology, Ecology, Sericulture, Development Biology.

Research Guidance

ANDC elite project titled “ To Ascertain the most efficient working hours of the faculty of Acharya Narendra Dev college within the given framework of 9am to 4 pm”

Publications Profile

Ahmad Najar, I., Rashid Mir R., Zuberi M., Javid J., Yadav P., Farooq S., Masroor M, Guru S., Shahnawaz S., Ray PC., Ahmed Sheikh I., Khatlani TS., Bhat AA., Gupta N, **Jetly S.**, Ahmad N.and Saxena A., 2013. Inactivation of RIZ1 Gene by Promoter Hypermethylation is Associated with Disease Progression and Resistance to Imatinib in Indian Chronic Myelogenous Leukemia Patients, First Study from India. Journal of Cancer Science & Therapy 05. doi:10.4172/19485956.1000183

Mir, R., Zuberi, M., Ahmad, I., Javid, J., Yadav, P., Farooq, S., Masroor, M., Guru S., Shahnawaz S., Bhat A.A., Khatlani TS., **Jetly S.**, Ray PC., Gupta N. and Saxena A.,2013. Biological and Clinical Implications of Exon 8 P53 (R282W) Gene Mutation in Relation to Development and Progression of Chronic Myeloid Leukaemia Patients in India Population. Journal of Cell Science & Therapy 04. doi:10.4172/2157-7013.1000140

Jetly, S., Verma, N., Naidu, K., Faiq, M.A., Tulika, S., Saluja, D., Alterations in the Reactive Oxygen Species in Peripheral Blood of Chronic Myeloid Leukemia Patients from Northern India.JCDR

Patents

One -Granted

A new fluorescent beacon probe diagnostic tool/kit for molecular detection of translocation t(9;22)/bcr-abl1 in leukemic patients and method of working for the same

Conference/ Presentations/Workshops

- ✓ Frontiers in Biomedical Research- 2019: **A Hands-on Workshop on Patent Drafting** June 24th to 26th , **2019** at Dr B.R. Ambedkar Centre for Biomedical Research
- ✓ **“Orientation Workshop on Effective Communication and impressive delivery”** on March 30th **2019** at Consortium For educational Communication, Delhi
- ✓ **“International symposium on wheat related disorders Beyond Celiac an Beyond the Gut”** the global experts meet on wheat & lifestyle diseases on January 12th- 13th 2019 at India Habitat Centre
- ✓ 11th Symposium on **Frontiers in Biomedical Research** with the theme **“Challenges In Human Health: Prevention, Diagnosis and Cure”**, February 19th - 21st , **2018** at at Dr B.R. Ambedkar Centre for Biomedical Research
- ✓ Workshop on **“Catalyzing a Cultural Shift in Youth Entrepreneurship”** organised by D S Khotari Centre for Research and Innovation in Science Education, Miranda House University of Delhi and Biotechnology Research Assistance Council (BIRAC) department of Biotechnology on National, November 9th **2017** on Entrepreneurship Day at Miranda House.
- ✓ Workshop on **'Bioinformatics in Drug Discovery'** at CMET Lecture Theatre, AIIMS, and New Delhi , February 2-5, 2016
- ✓ Workshop on **“Essentials of Statistics and Clinical Data Analysis using R”** at ICGEB, Aruna Asaf Ali Road, New Delhi ,December 1 – 4, 2015.
- ✓ Workshop on **“Intellectual property rights and patents”** at S.P.Jain auditorium ,South Campus, University of Delhi,19th January 2015
- ✓ 9th Symposium on **“Frontiers in Biomedical Research”** (FBR -2014) ,held at ACBR University of Delhi, Delhi ,14th -16th April, 2014
- ✓ 19th Congress of the **European Hematology Association held in Milan, Italy**, June 12 - 15, 2014.
- ✓ 8th symposium on **“Frontiers in Biomedical Research”** (FBR-2013) held at ACBR University of Delhi, Delhi -2013
- ✓ Symposium on **“Infection and Cancer “-32nd Annual convention of Indian Association for Cancer Research and International 2013**
- ✓ Third lecture workshop on **“Trans -disciplinary Areas of Research and Teaching by Shanti Swaroop Bhatnagar awardees”** organized by Science Foundation, September 15th -16th **2017** at Deen Dayal Upadhyaya College. Workshop on "Statistical Methods for Evaluation of Diagnostic Kits" at National Institute of Medical Statistics, ICMR, New Delhi, 15-17 November, 2012

Poster Presentation

International

“Design of Rapid fluorescent beacon based PCR Assay for easy detection and quantification of transcripts of BCR-ABL [t(9;22)] in Chronic Myeloid Leukemia patients” at the 19th Congress of the European Hematology Association held in Milan, Italy (June 12 - 15, 2014).

National

“Design of rapid molecular beacon based PCR assay for detection and quantification of BCR –ABL and AML-ETO transcripts in Myeloid Leukemia patients “at 9th Symposium on Frontiers in Biomedical Research (FBR -2014) held in University of Delhi, Delhi (14th -16th April, 2014) **first** prize for poster presentation.

Research Projects (Major Grants/Research Collaboration)

ANDC elite project 2018-19 “To Ascertain the most efficient working hours of the faculty of Acharya Narendra Dev college within the given framework of 9am to 4 pm”

DBT STAR project 2017-18 To Survey the awareness of vitamin D deficiency amongst youth of biomedical Science Department aged(18-24)

ANDC elite project 2016-17 titled “To study the pattern of pupae coloration and pigmentation in the developing fruit fly (*Drosophila melanogaster*) during metamorphosis

DU Innovation Project 2015-16 (ANDC-309) titled "Leveraging Big Data for Astronomy and Health Care"

International Travel Grants Received

Received UGC travel grant to attend International Conference “The 19th Congress of the European Haematology Association” held in Milan, Italy from June 12 - 15, 2014

Awards and Distinctions

| Award | Achievement | Year |
|---------------------------|---|------|
| Certificate of merit | Highest marks in University in M.Phil. (Hons) Zoology | 1994 |
| Joint CSIR-UGC fellowship | University Examination | 1993 |

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|--|---|------|
| Certificate of merit | Highest marks in College in M.Sc. (Hons) Zoology part I | 1992 |
| University gold Medal | Highest marks in the University in aggregate of all three years | 1991 |
| Certificate of merit | Highest marks in University in B.Sc. (Hons) Zoology part II | 1990 |
| Agnes Scott Memorial Prize | Highest marks in Developmental Biology (Part I) – Zoology. | 1990 |
| Certificate of merit | Highest marks in University in B.Sc. (Hons) Zoology part I | 1989 |
| University Scholarship in B.Sc | University Examination | 1988 |
| Association With Professional Bodies | | |
| Member Of Indian Science Congress | | |
| Member of Society of Cancer Research | | |
| Member of Indian Association of Cancer Research | | |
| Other Activities | | |
| Details of professional Consultancy | | |
| <ul style="list-style-type: none"> • E content reviewer with Consortium for Educational Communication. 2018,2019,2020 • On line gurukul lectures of Consortium for Educational Communication 2020 • Resource Person with ILLL- Institute of lifelong learning, Preparation of the course material for | | |

newly designed course of B.Sc. Life Sciences. 2008

- Resource person for guiding teachers of DPS group of schools (2015)
- In the interview panel of Bal Bharti, NOIDA for selection of science teachers. 2014
- Placed Students for conducting Summer research projects with various institutes and universities like NII, JNU, TRF, TERI, NIB(NOIDA), ICPO, ACBR. 2001- 2008
- Composed and delivered talks on various science and allied topics on All India Radio (New Delhi) and University FM
- Interview panel of Bal Bharti School NOIDA for selection of PGT science teachers : 2005
- Video lectures for IGNOU
- Comparer for several national and International conferences