



Dr. Gauri Mishra

Personal Details

- Husband's name: Dr. Lokesh Chandra Mishra
- Father's name: Shri. Satya Premi
- Category: General
- Current Position: Assistant Professor in Zoology, Swami Shraddhanand College, University of Delhi, Delhi.
- Date of Birth: 16th July 1980
- Local address: Flat No. 181 (Ground Floor)
DA Block, Shalimar Bagh
Delhi-110088
- Permanent address: 238/172 Allengunj, Allahabad, UP-211002
- Phone numbers: +91-9899281299, +91-9873486270, +91-9415316029,
- Email i.d.: gaurishukla1@gmail.com
gaurishukla@ss.du.ac.in

Career Objective

- To contribute effectively to the field of research and academics in life sciences.

Educational Background

- **Doctor of Philosophy**
Title: Conjugation to Biological Vectors As Scintigraphic And Intracellular Therapeutic Agents For Cancer.
Year: Sept. 2009
Supervisor: Dr. A. K. Mishra (Sci. F), Division of Cyclotron and Radiopharmaceutical Sciences, DRDO and Dr. Harish Chandra, Dept. of Chemistry, University of Delhi.
- **Master of Philosophy**
Title: Determination of Pesticide Residues in turmeric matrix: Estimation of Uncertainty factors.

Year: Nov.2005: (*Percentage: 71%*)

Supervisor: Dr. D. K. Singh, Dept. of Zoology, University of Delhi.

- **Master of Science**

M.Sc. in Zoology from Department of Zoology (registered in Mirand College), Delhi University

Year: 2002 – 2004; (*Percentage: 66.5%*), **First Class**

First Year Special Papers- **Immunology and Animal behavior**

Final Year- **Entomology**

- **Bachelor of Science**

B.Sc. Biology (General), Subjects: Zoology, Botany and Chemistry from Ewing Christian College (Allahabad University)

Year: 1999 – 2002; (*Percentage: 68%*), **First Class**

- **Intermediate (10+2)**

Board: U.P. Board, Subjects: Biology, Physics, Chemistry, Hindi and English

College: St. Antnoy's Convent, Allahabad

Year: 1998; (*Percentage: 7 %*), **First Class**

- **High School (10)**

Board: I.S.C.E. Board, Subjects: Biology, Science, Computers, Mathematics, Social Science, Hindi and English

College: St. Mary's Convent, Allahabad

Year: 1996; (*Percentage: 73%*), **First Class**

Additional Qualifications

- Qualified joint CSIR-UGC **Junior Research Fellowship (JRF)** held on 19.06.2005 under **CSIR fellowship Scheme**
- **Merit Holder** in B.Sc. (Ewing Christian College), University of Allahabad.

Publications

RESEARCH - PUBLICATIONS

1. Synthesis and biological properties of 4-(3H)-quinazolone derivatives.

Tiwari AK, Singh VK, Bajpai A, Shukla G, Singh S, Mishra AK.

Eur J Med Chem. 2007 Sep; 42(9):1234-8.

2. Synthesis, characterization and biological activity of Schiff base analogues of indole-3-carboxaldehyde.

Sinha D, Tiwari AK, Singh S, **Shukla G**, Mishra P, Chandra H, Mishra AK.
Eur J Med Chem. 2008 Jan; 43(1):160-5.

3. Polyethylene glycol conjugates of methotrexate and melphalan: synthesis, radiolabeling and biologic studies.

Shukla G, Tiwari AK, Kumar N, Sinha D, Mishra P, Chandra H, Mishra AK.
Cancer Biother Radiopharm. 2008 Oct; 23(5):571-9.

4. Effect of a novel series of benzothiazolo-quinazolones on epidermal growth factor receptor (EGFR) and biological evaluations.

Shukla G, Tiwari AK, Singh VK, Bajpai A, Chandra H, Mishra AK.
Chem Biol Drug Des. 2008 Dec; 72(6):533-9.

5. Synthesis and assessment of ^{99m}Tc chelate-conjugated alendronate for development of specific radiopharmaceuticals.

Shukla G, Tiwari AK, Sinha D, Srivastava R, Chandra H, Mishra AK.
Cancer Biother Radiopharm. 2009 Apr; 24(2):209-14.

6. ^{99m}Tc-methionine scintimammography in the evaluation of breast cancer.

Sharma R, Tripathi M, Panwar P, Chuttani K, Jaimini A, Maitra S, Chopra MK, Sawroop K, **Shukla G**, Mondal A, Mishra A.
Nucl Med Commun. 2009 May; 30(5):338-42.

7. Quantitative structure-property relationship (correlation analysis) of phosphonic acid-based chelates in design of MRI contrast agent.

Tiwari AK, Ojha H, Kaul A, Dutta A, Srivastava P, **Shukla G**, Srivastava R, Mishra AK.
Chem Biol Drug Des. 2009 Jul; 74(1):87-91.PMID:

8. ^{99m}Tc-DTPA-amino acids conjugate as specific SPECT pharmaceuticals for tumor imaging.

Sinha D, **Shukla G**, Tiwari AK, Chaturvedi S, Chuttani K, Chandra H, Mishra AK.
Chem Biol Drug Des. 2009 Aug;74(2):159-164.

9. Synthesis and biological evaluation of (^{99m}Tc)-DTPA-bis(His) as a potential probe for tumor imaging with SPECT.

Sinha D, **Shukla G**, Chuttani K, Chandra H, Mishra AK.
Cancer Biother Radiopharm. 2009 Oct; 24(5):615-20.

10. Synthesis of specific SPECT-radiopharmaceutical for tumor imaging based on methionine: ^{99m}Tc-DTPA-bis(methionine).

Hazari PP, **Shukla G**, Goel V, Chuttani K, Kumar N, Sharma R, Mishra AK.

Bioconjug Chem. 2010 Feb 17; 21(2):229-39.

11. In vitro and In vivo evaluation of ^{99m}Tc -DO3A-EA-Folate for Receptor-mediated targeting of Folate positive tumors

Mishra G, Hazari P P, Kumar N, Mishra AK.
Journal of Drug Targeting. 2011, 1-9.

12. Tumor Targeting Using Anti-EGFR (ior egf/r3) Immunoconjugate with Tetraaza Macrocylic Agent (DO3A-EA)

Gauri Mishra, Puja Panwar, and Anil K. Mishra
Molecular Imaging, 11, 5, Sept.-Oct. 2012, 408-416.

13. Comparative evaluation of bis(thiosemicarbazone)- biotin and Met-ac-TE3A for tumor imaging

Sweta Singh, Anjani K. Tiwari, Raunak Varshney, R. Mathur, **Gauri Shukla**, N. Bag, B. Singh, Anil K. Mishra . **Article in Press**
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy

BOOK EDITED/REVIEWED

1. "Animal Cell Culture" – Publisher: PHI Learning Private Limited (2012).

**INTERNATIONAL/NATIONAL CONFERENCES/ SYMPOSIUMS/
WORKSHOPS/ PRESENTATIONS**

INTERNATIONAL / NATIONAL CONFERENCES /WORKSHOPS ATTENDED

1. Course in "Challenges in New Drug Development". 9th -13th Oct 2006. Under continuing Education Programme, organised by Institute of Nuclear Medicine and Applied Sciences, DRDO, Delhi.
2. "XXX All India Cell Biology Conference & Symposium on Molecules to Compartments: Cross-Talks & Networks" organized by Indian Society of Cell Biology from 2nd to 4th February, 2007 at Department of Zoology, Delhi University, Delhi.
3. "IX International Symposium on Vectors and Vector Borne Diseases" organized by National Institute of Malaria Research, New Delhi from 15th to 17th February 2008 at Puri, Orissa.

4. **“International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics”** organized by Association of Microbiologists of India (AMI) from 18 to 20th November, 2008 at the Department of Zoology, University of Delhi, Delhi.
5. **“21st Annual Congress of the European Association of Nuclear Medicine – EANM’ 08”**. October 11 – October 15, 2008, Munich, Germany.
6. **9th Asia Oceania Congress of Nuclear Medicine and Biology**. 31st Oct. – 4th Nov. 2008. New Delhi.
7. **“International Conference on Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”** organized by Indo - Swiss Collaboration in Biotechnology (ISCB), Department of Zoology, University of Delhi, New Delhi from 9th to 11th February, 2011.
8. **‘Stakeholders’ Consultation and Launch of United Nations Decade on Biodiversity for Asia and Pacific’** organized by Ministry of Environment and Forests, Government of India on 23rd May, 2011 at Ashok Hotel, New Delhi
9. **The Academic Congress “Enabling the Young: Redefining Education”** organized by University of Delhi, Delhi on 6th -7th September, 2012.
10. Attended CME on **“Medical Cyclotron and PET Imaging: Needs And Challenges”** By Department of Nuclear Medicine & Indian College of Nuclear Medicine (ICNM), organized by Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, in April 2014.
11. Participated in **First International Conference on “Emerging Trends of Nanotechnology in Drug Discovery”** jointly organized by Sri Venkateswara College, DU and Dept. of Biochemistry, UDSC, India, in association with CQM University of Madeira, Portugal, held in May 2014.
12. Conference on **“Role of Technical Terminology in Higher Studies”** organized by **Commission for Scientific and Technical Terminology** at Hansraj College, University of Delhi, Delhi-110007 from 23.07.15 to 24.07.15.

WORKSHOPS ATTENDED

1. Workshop in **“Challenges in New Drug Development”**. 9th -13th Oct 2006. Under continuing Education Programme, organised by Institute of Nuclear Medicine and Applied Sciences, DRDO, Delhi.

2. Workshop in "Digital Flow Cytometry: Application in Cell Biology and immunology", 20th & 21st Sept. 2007, held at Institute of Nuclear Medicine and Applied Sciences, DRDO, Delhi.
3. Resource Person in the "INSPIRE Internship Program-2012" organized by Hans Raj College, University of Delhi in Collaboration with DST from December 17-21, 2012.
4. Resource Person in a Workshop on "Review and Development of Biology Kit and Kit Manual for Higher Secondary Stage" organized by NCERT, New Delhi in June 2014.
5. Workshop on "Integrating ICT in Teaching and Learning" organized by Department of Physics and Electronics, Hansraj College, University of Delhi. Dec. 11th-18, 2015.

RESEARCH-PRESENTATION (POSTER) IN SYMPOSIUMS & CONFERENCES

1. Synthesis of Novel SPECT-Radiopharmaceutical for Tumor Imaging Based on Methionine: ^{99m}Tc -DTPA-(methionine)²

P. Panwar, G. Shukla, K. Chuttani, R. Sharma, M. Tripathi, R. P. Tripathi, A. K. Mishra.

21st Annual Congress of the European Association of Nuclear Medicine – EANM, 11th Oct. – 15th Oct. 2008, Munich, Germany.

2. "Synthesis and biological evaluation of Mannich bases of indole derivatives against the cysteine protease falcipain-2 and a chloroquine resistant strain of *Plasmodium falciparum*."

Gauri Shukla, Anjani K. Tiwari, Nitin Kumar, Anil K. Mishra.

IX International Symposium on Vectors and Vector Borne Diseases, Puri, Orissa, Feb 15-17, 2008

3. "Synthesis, Radiolabeling and Biological Evaluation of ^{99m}Tc -Aminoacids based Chelating Agents for Targeted Tumor Imaging."

Deepa, Gauri Shukla, Anupama Dutta, Shubra Chaturvedi, Harish Chandra, Anil K. Mishra.

9th Asia Oceania Congress of Nuclear Medicine and Biology” Chanakyapuri,
New Delhi, India, 31st October-4th November, 2008.

ABSTRACTS

1. Synthesis and biological properties of novel 4-(3H)-quinazolone derivatives. (P-8)

Anjani K Tiwari, Sweta Singh, **Gauri Shukla** and A.K. Mishra
6th Annual Symposium on Frontiers in Biomedical Research, 30th November- 2nd December, 2006. ACBR, University of Delhi, Delhi, INDIA

2. Importance of conjugation of Methotrexate with variable PEG in efficient Drug Delivery.

Gauri Shukla, Nitin Kumar, Pushpa Mishra, Harish Chandra, Anil K Mishra.
30th All India Cell Biology Conference and Symposium (Feb 2007)

3. Conjugation of Anticancer drug (Melphalan) with variable PEG in efficient delivery.

Gauri Shukla, Nitin Kumar, Pushpa Mishra, Harish Chandra, Anil K Mishra
National Symposium on Analytical Sciences (April 2007)

4. Conjugation of Alendronate with Indole moiety as Novel Bone Imaging Agent.

Gauri Shukla, N Kumar, S Chaturvedi, Anil K. Mishra
Indian Journal of Nuclear Medicine. (Dec 2007)

5. Synthesis and biological evaluation of Mannich bases of indole derivatives against the cysteine protease falcipain-2 and a chloroquine resistant strain of *Plasmodium falciparum*.

Shukla Gauri , Kumar Nitin, Chandra Harish and Mishra Anil K.
IX International Symposium on Vectors and Vector Borne diseases (Feb 2008), Puri, Orissa.

6. Indole derivatised analogues as novel radiopharmaceuticals.

Gauri Shukla, Deepa, Anjani Tiwari, Harish Chandra, Anil K Mishra.
12th International Conference on “The Interface of Chemistry- Biology in Biomedical Research” (Feb. 22-24, 2008). Birla Institute of Technology and Science, Pilani, Rajasthan, INDIA.

7. Synthesis and ^{99m}Tc Labelling of Biotin Analogue: Potential Candidate for Tumor Imaging.

Deepa, Anjani Tiwari, Sweta Singh, **Gauri Shukla**, Harish Chandra, Anil K. Mishra.
12th International Conference on “The Interface of Chemistry- Biology in Biomedical Research” (Feb. 22-24, 2008). Birla Institute of Technology and Science, Pilani, Rajasthan, INDIA

8. Synthesis and Interaction of Novel Platinum complexes with DNA in vitro representing new concepts for improving antitumor activity

Anjani K. Tiwari, Sweta Singh, **Gauri Shukla**, Ankur, Nitin Kumar, Anil K. Mishra
12th International Conference on “The Interface of Chemistry- Biology in Biomedical Research” (Feb. 22-24, 2008). Birla Institute of Technology and Science, Pilani, Rajasthan, INDIA

9. Copper induced oxidation of serotonin: analysis of products and toxicity.

Anjani K. Tiwari, Sweta Singh, **Gauri Shukla**, Nitin Kumar, Anil K. Mishra*
National Symposium on Recent Advances in Toxicological studies: Molecular and physiological aspect. NSTS 2008, (27-28, Feb. 2008), MMV, Banaras Hindu University, Banaras INDIA

10. Synthesis, Radiolabeling and Biological Evaluation of ^{99m}Tc-Aminoacids based Chelating Agents for Targeted Tumor Imaging.

Deepa, **Gauri Shukla**, Anupama Dutta, Shubra Chaturvedi, Harish Chandra, Anil K. Mishra
9th Asia Oceania Congress of Nuclear Medicine and Biology (Nov 2008). (Oral presentation). New Delhi.

11. Synthesis and Evaluation of ^{99m}Tc-DO3A-Amino acid Conjugates as a Potential Probe for Tumor Imaging with SPECT.

D. Sinha, **Gauri Shukla**, Anjani K. Tiwari, Anil K. Mishra, Harish Chandra,
Development/Novel Use of Imaging Probes, (Sept. 2009).

12. Synthesis of Novel SPECT-Radiopharmaceutical for Tumor Imaging Based on Methionine: ^{99m}Tc-DTPA-(methionine)₂

P. Panwar, **G. Shukla**, K. Chuttani, R. Sharma, M. Tripathi, R. P. Tripathi, A. K. Mishra.
European Association in Nuclear Medicine, (Oct 2008), Munich, Germany.

Additional Academic Activities/Courses

1. Successfully completed the **Orientation Programme (OR-66)** organized by CPDHE, University of Delhi from June 25th to July 21st, 2011.

2. **Resource Person/ Member of Organizing Committee** in the “INSPIRE Internship Program-2012” organized by Hans Raj College, University of Delhi in Collaboration with DST from December 17-21, 2012.
3. Successfully completed the **Refresher Course in Life Sciences/Biological Sciences/Bioinformatics** organized by CPDHE, University of Delhi from February 25th to March 16th, 2013.
4. **Resource Person** for “Orientation of key Resource person of SCERTs/SITs/RMSA/SSA on preparation and use of Science and Mathematics Kits” in Feb. 2014, organized by NCERT, New Delhi.
5. Joined Delhi State Science Teacher’s Forum (Regd.) as a Life Member, in June 2014.
6. **Resource Person** in a workshop “Review and Development of Biology Kit and Kit manual for Higher Secondary stage” from 23rd-27th June, 2014 organized by Division of Educational Lits, NCERT, New Delhi.
7. **Expert** in Panel for Biology promotion of teachers (XII) in Guru Harkishan Public School, Vasant Kunj, Delhi
8. **Jury Member** in 4th National Level Exhibition and Project Competition organized by Department of Science and Technology, (INSPIRE) Government of India, held in Oct. 2014
9. **Convener**, of Ad-on course entitled “**Culture Techniques in Biology**” held from 23rd March to 2nd April 2015 at Swami Shraddhanand College, Delhi.
10. **Resource Person** in a workshop “Design and Development of Biology Kits for Higher Secondary stage” from 2nd – 6th, Feb, 2015 organized by Division of Educational Lits, NCERT, New Delhi.
11. **Resource Person** in a workshop “Review and Development of existing Science Kit at Upper Primary & Secondary Stage” from 17th -21st and 24th -28th Aug, 2015 organized by Division of Educational Lits, NCERT, New Delhi.
12. **Resource Person** in a workshop “Development of Hindi version of Manual of Upper Primary Science Kit & Manual of Secondary Mathematics Kits” from 14th - 18th, September, 2015 organized by Division of Educational Lits, NCERT, New Delhi.
13. **Jury Member** in 5th National Level Exhibition and Project Competition organized by Department of Science and Technology, (INSPIRE) Government of India, held in Dec. 2015

Awards

- **Merit Holder** in B.Sc. (Ewing Christian College), University of Allahabad.

Positions held

1. **Junior Research Fellow-** Central Science and Industrial Research from 1.09.2006 to 31.08.2008.
2. **Senior Research Fellow-** Central Science and Industrial Research from 1.09.2008 to 16th Oct. 2008.
3. **Assistant Professor- Gargi College**, Delhi University from 19.07.2007 to 31.09.2008 and **Daulat Ram College**, Delhi University from 01.12.2007 to 31.05.2009 as **guest faculty member**.
4. **Assistant Professor-** Swami Shraddhanand College, Delhi University from 17.10.2008 to till date as a **permanent faculty member**.
5. **Reviewer of International Journal**, of Cancer Biology and Radiopharmaceuticals.

International/National Membership

1. Former Member of **American Association for Advancement of Science (AAAS)** since 2007.
Membership No: 20227052
2. Joined Delhi State Science Teacher's Forum (Regd.) as a Life Member, in June 2014.
3. **Life member** of Delhi University Women Organization (**DUWA**), since March, 2013.

Projects

1. Project on "Remote Sensing" (B.Sc.)*.
2. Project on "Techniques in Biotechnology" (B.Sc.)*.

3. Project on “Foraging behavior in Apoidea ” (M.Sc.)*.
4. Project on “Azadirachta indica as Bio-insecticide.” (M.Phil)*.
5. “Determination of Pesticide Residues in turmeric matrix: Estimation of Uncertainty factors”– IAEA Project (M.Phil)*.
6. Project on “Anticancer Agents” (Ph.D).

7. Project on “DNA-Protein Interaction” (Ph.D).

** All the projects were the part of respective Degree programme so no additional certificate available.*

Administrative/Academic/Society Activities

1. College level duties/committees:

- Member Placement Committee 2009-2010
- Member Women Development Committee 2011-2012
- Member Admissions, B.Sc.(Prog.) 2012-13
- Member Committee on Ad-on Courses 2012-2013
- **Dy. Superintendent Theory Exams**, Dec 15-22, 2011
- **Dy. Superintendent Theory Exams**, Dec 2-6, 2014
- **Convener**, of Ad-on course 23rd March to 2nd April 2015
- Member Committee, Women Development, 2015-2016
- **Convener**, Library Committee, 2015-2015

2. University duties:

- Regular Evaluation (Examiner) at CEC, Miranda House, DU.
- Regular Examiner for different Practical Examinations.
- Paper setter for various examination (University of Delhi)

Hobbies and Interests

1. Listening Music
2. Reading about the current developments in science and technology.

Date :

Gauri Mishra

