

**MRIDULA GUPTA**

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**D.O.B - 28 December-1990**

**Marital Status- Unmarried**

**SUMMARY:**

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I am a self motivated and organized professional with strong academic and hand-on work performance. With creative mind and good managing skills, I can effectively coordinate tasks and accomplish projects. I am good researcher, thinker and a hard worker. *I have been associated with India's most reputed University i.e. GADVASU, Ludhiana and Indo-Soviet Friendship College of Pharmacy, Moga (Among Top 5 Pharmacy Colleges in India).* I have **worked at various levels as Lecturer** (Graduate and Post graduate students), **Assistant Professor** (Graduate and Post graduate students) and **have various awards** (Best Paper Award at National Conference on Life Sciences and Medical Sciences- 2016) and **international publications** (chapter in a book and research publication submitted in International renowned journals) to my credit. I have attended international and national conferences/workshops/CME as delegate and also as member organizing committee. Besides teaching, I have successfully led a team at youth festival and cultural programme at university level.

**EDUCATION:**

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**School of Animal Biotechnology, GADVASU, Ludhiana, Punjab (India) 2011 – 2014**  
M.Sc. Research Scholar ,GPA:**7.87/10.00**

**Khalsa college for Women, Civil Lines Ludhiana, Punjab(India) 2009 – 2011**  
B.Sc. {Hons.} Biotechnology GPA: **7.56/10.00**

**D.N Model Sr. Sec School, CBSE Board, India 2007- 2009**  
Biology, Chemistry, Physics, Physical Education **80.2%**

**PROFESSIONAL EXPERIENCE:**

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**December 2017-present** Senior Research Fellow at Regional Research station, Punjab Agriculture University, Faridkot, Punjab

**July –November 2016** “Assistant Professor” at Khalsa College, Amritsar, Punjab.

**Jan-June 2016** “Research Volunteer” at Baba Farid University of Health sciences, Faridkot, Punjab.

**2015** 2 Months “Assistant Professor” guided M. Pharm students for Animal cell culture Techniques in their research work at ISF college of Pharmacy, Moga.

**2014** 6 Months Teaching experience as “Lecturer” in Biotechnology subjects: Bioinformatics, Animal cell culture, Molecular Biology, Cell Biology, Techniques in Genetic Engineering at BIS Institute, Gagra, Moga.

## **INDUSTRIAL TRAINING**

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- 2010** Preparation of Beer from 16 June 2010 -30 June 2010 in United Breweries limited, Ludhiana, Punjab
- 2009** Molecular biology (rDNA) Technology) from 27 June to 10 July 2009 and Laboratory techniques in Immunology about preparation of ELISA kits from 2 June to 26 June 2009 at Orbit Biotech Pvt. Ltd., Mohali.

## **TECHNICAL AND TEACHING EXPERIENCE:**

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- Molecular Biology : PCR, Real Time PCR, Cloning & Expression of recombinant gene, DNA and RNA extraction
- Cell culture : DEF cells, MDBK and Vero cells handling
- Diagnostic test : ELISA, Virus Neutralization Test, HA, HI
- Cell biology : Flow Cytometry (FACS)
- Virology : MDV
- Bioinformatics tool : CytoScape, Navigator, MEGA5, BLAST, Primer designing, DNASTAR lasergene, ClustalW, Muscle, T-Coffee
- Microbiology : Staining Techniques, Biochemical Tests
- Computer skills : MS office, Adobe Photoshop, etc.
- Teaching : 8 months

## **LANGUAGES:**

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- English: Excellent
- Native: Punjabi, Sanskrit and Hindi
- IELTS test- Overall-6.5 Listening- 7.5, Reading-6, Speaking-6.5, Writing-6.5

## **AWARD/ SCHOLARSHIP/HONOURS:**

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- Monthly scholarship under CBEE JNU under DBT scheme from HRD
- Best Paper Award in Oral Presentation in NCMLS 2016

## **MEMBERSHIP OF PROFESSIONAL SOCIETIES:**

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- Life member, Indian Society for Veterinary Immunology & Biotechnology (ISVIB)

## **RESEARCH PAPER/ABSTRACT/BOOK CHAPTER:**

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- **Mridula**<sup>1</sup>, Deka Dipak<sup>2</sup> and Ramneek<sup>3</sup>. 2016. Sequence Analysis of *Meq* oncogene among Indian isolates of Marek's Disease Virus. **Meta Gene**. Vol. 9C pp. 230-236. doi10.1016/j.mgene.2016.07.009
- **Mridula**<sup>1</sup>, Deka Dipak<sup>2</sup> and Ramneek<sup>3</sup>. 2016. Data on meq gene sequence analysis of Ludhiana MDV isolates. **Data in Brief**. Volume 9, December 2016, Pages 231-235 <http://dx.doi.org/10.1016/j.dib.2016.08.052>
- Ajay Francis Christopher, **Mridula Gupta**, Parveen Bansal "Micronome revealed miR-19a/b as key regulator of SOCS3 during cancer related inflammation of oral squamous cell carcinoma". **Gene**. 2016 Aug 28. pii: S0378-1119(16)30690-4. doi:

10.1016/j.gene.2016.08.044.

- Ajay Francis Christopher, **Mridula Gupta**. **Book Chapter** published “**Bioinformatics in Cancer Research**” ISBN No. 978-93-85404-33-7

#### **PRESENTATIONS/POSTER/PUBLICATIONS IN CONFERENCES:**

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- **Mridula**<sup>1</sup>, Deka Dipak<sup>2</sup> and Ramneek<sup>3</sup>. 2013. Sequence Analysis of *Meq* oncogene among Indian isolates of Marek's Disease Virus. ISVIB 2013/TAIII/13 (Oral Presentation)
- Ajay Francis Christopher, **Mridula Gupta**. “miR-19a regulates SOCS3 during cancer related inflammation: The Hallmark of Oral Cancer” NCMLS (2016) (Oral Presentation)
- **Mridula Gupta**, Parveen Bansal. “Meta-analysis of Clinical Trials on Herbal Antiviral Molecules with Mechanism of Action. NCMLS (2016) (Poster Presentation)
- Innovation in clinical research technologies and software systems: Mir-208a/b can be a potential drug target in regulation of cell proliferation and apoptosis in oral squamous cell carcinoma-first report. 2<sup>nd</sup> International conference on Clinical Trials and Therapeutic Drug Monitoring, August 22-24, 2016 Philadelphia, USA. <http://dx.doi.org/10.4172/2167-0870.C1.011>

#### **PAPERS IN PIPELINE:**

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- Evaluation of Spherical Index and pearson coefficient of dissymmetry for determination of scatteral changes in RBC of  $\beta$ - thalassemia using flow cytometric techniques (in communication)
- Mir-208a/b promotes cell proliferat ion by repressing CDKN1A expression in human oral squamous cell carcinoma
- Bioinformatics work on Oral cancer for Micronome of different pathways.

#### **WORKSHOP/CONFERENCES/SEMINAR ATTENDED:**

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- International Conference on “Sustainable Agriculture for Food and Livelihood Security” on November 27-29, 2012 at Punjab Agricultural University, Ludhiana (India).
- Participation in XX Annual Convention of Indian Society for Veterinary Immunology & Biotechnology (ISVIB) National Symposium on “Emerging Challenges & Opportunities in Veterinary Immunology & Biotechnology for Improved Animal Health & Productivity” organised by CSK HP Krishi Vishavidhyalaya, Palampur, HP
- One day Regional Seminar on “University Institute of Pharmaceutical Sciences & Research” organized by Baba Farid University of Health Sciences, Faridkot, Punjab.
- CME on Pharmacovigilance organised by “Pharmacovigilance Centre, Guru Gobind Singh Medical College & Hospital, Faridkot, Punjab.
- National Conference on “Integration of Medical Sciences and Life Sciences for innovative Medical Research” organized by University centre of excellence research, BFUHS, Faridkot, Punjab.

#### **EXTRA CO-CURRICULAR ACTIVITIES**

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- Participation in Inter-college and zonal level youth festival in play, skit, dance, mimicry and fine arts and collected prizes in all events
- Art and Culture Minister for the NGO “SAVE the EARTH and HUMANITY INTERNATIONAL SOCIETY (SEHIS)”

## REFERENCES

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- 1. Dr. Paryag Dutt Juyal**  
**Vice Chancellor**  
Nanaji Deshmukh Veterinary Science University,  
South Civil Lines, Jabalpur, Madhya Pradesh 482001  
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- 2. Dr. Ramneek Verma**  
**Professor cum Director**  
School of Animal Biotechnology,  
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E-mail: [ramneek@gadvasu.in](mailto:ramneek@gadvasu.in), [ramneekv@rediffmail.com](mailto:ramneekv@rediffmail.com)
- 3. Dr. Dipak Deka**  
**Assistant Scientist (Senior Scale)**  
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University, Ludhiana- 141012  
Punjab, India  
E-mail: [deepakdeka@gmail.com](mailto:deepakdeka@gmail.com)
- 4. Dr. Satnam Singh**  
Assistant Entomologist  
Regional Research Station,  
PAU, Faridkot, Punjab