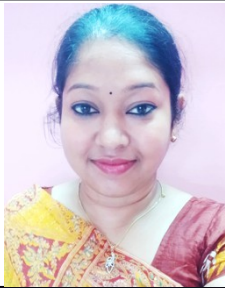


## Curriculum Vitae

<b>Full Name:</b>	DR. MANISHA NIGAM			
<b>Designation:</b>	Assistant Professor			
<b>Department:</b>	Biochemistry			
<b>Campus:</b>	Birla			
<b>Telephone:</b>	01346-250258	<b>Fax:</b>		
<b>Mobile:</b>	+917895583616			
<b>Email</b>	<a href="mailto:Anandmanisha23@gmail.com">Anandmanisha23@gmail.com</a> , <a href="mailto:m.nigam@hnbgu.ac.in">m.nigam@hnbgu.ac.in</a>			
<b>Education Qualification:</b>	Ph.D., Allahabad University / C.D.R.I. Lucknow, 2010			
<b>Teaching Experience:</b>	06 Years	<b>Research Experience:</b>	12 Years	
<b>Research Interest and Fields of Specialization</b> 1. Cancer Biology 2. Natural Anticancer Products 3. Oxidative Stress				
<b>Honours &amp; Awards</b> ! P.C. Dandiya best poster presentation Award. ! CSIR-SRF (Oct 2006-Sept 2009) ! C.S.I.R. (NET) - JRF of December 2003 (Oct 2004- Oct 2006)  <b>Editorial Board Member:</b> ! International Scientific Journal <a href="http://www.scientific-journal.com/index.html">http://www.scientific-journal.com/index.html</a>  ! Current trends in Pharma and Pharmaceutical sciences <a href="http://www.medcavepublications.org">www.medcavepublications.org</a>  ! European journal of biomedical research <a href="https://www.ejbmr.com">https://www.ejbmr.com</a>				
<b>Member of Academic Institutions</b> None				
<b>Membership of Scientific Organizations</b> 1. The Indian Science Congress, India. 2. The Society of Biological Chemists, India 3. Indian association of cancer research, Mumbai				
<b>Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered)</b> None				
<b>Research Projects/ MoU undertaken</b> 1. Title, Funding Agency, Total Cost, Completed/Ongoing <i>"Influence of the Ageing on Biochemical and Physiological changes in Plants: Insight into the interlinking of Redox Regulation"</i> UGC-BSR Research Start-Up-Grant worth Rs. 6 lakh (Completed)				

**Administrative Experience**

1. Incharge Head, Dept of Biochemistry since Aug 2014 to Jan 2019.
2. Member of Anti Ragging squad since August 2019.
3. Member of Institutional Ethical Committee (I.E.C; ICMR) w.e.f. 15-05-2019 to 14-05-2021.
4. Member of Board of Studies of Department of Biochemistry, H.N.B. Garhwal University (Since 2014-till date).
5. N.S.S. Programme officer, Birla campus Unit, H.N.B. Garhwal University since January 2018.
6. Member of Anti-Discrimination committee, May 2016 to April 2018.
7. Assistant Proctor since (2016-till date)
8. Member of the University Inspecting Team visiting different Colleges in connection with the extension of their affiliations.
9. Team Incharge (Science faculty) for the selection of students for the annual cultural fest programme 2017-8
10. Member of Selection Committee for Guest Faculty appointment in the Department of Biochemistry, HNBGU (2014-2019).
11. Election Officer of Student Union Election (2014, 2016).
12. Member of Departmental Purchase Committee, Department of Biochemistry (since 2014-till date).
13. Member of UG (2016, 2017, 2019) Admission Committee.
14. Convener of PG Admission Committee (2016-18) & Member of PG Admission Committee (2019).
15. Member of Registration Committee of National conference on Microbes in Extreme Environment: Diversity and Translational Applications (MEEDTA-2015) organized by HNB Garhwal University (A Central University), Srinagar(Garhwal), (October 30-31, 2015)

**Scientific Visits Abroad/ International Collaboration** None

**Conference/Symposium/Workshop Attended during last five years (2014-2019)****Courses and Workshop:**

1. One week course on Research methodology organized by Faculty development centre, HNB Garhwal University (A Central University), Srinagar (Garhwal) (10<sup>th</sup> -16<sup>th</sup> Dec 2018).
2. One Day National Workshop on "Intellectual Property Rights" organized by **Department of Pharmaceutical Chemistry**, Chauras campus, HNB Garhwal University, Srinagar (17<sup>th</sup> Nov 2018)
3. Refresher course in Life Sciences and Biotechnology (08 Oct- 02 Nov 2018) from **JNU, HRDC**, New Delhi with "A" Grade.
4. Two days training Programme on 'Ethics & Values in Public Governance.' By Mr. Krishna Mohan, IAS (Retd.), a DoPT certified National Trainer/ Facilitator on 'Ethics' organized by the Internal Quality Assurance Cell (IQAC), HNB Garhwal University (A Central University), Srinagar (Garhwal). (**May 28-29, 2017**)
5. Refresher Course from Lucknow University, (9<sup>th</sup> Dec-31<sup>st</sup> Dec 2016) with "A" grade.
6. Orientation course (24<sup>th</sup> Aug-18<sup>th</sup> Sept 2015) from **JNU, HRDC**, New Delhi with "A" Grade.

**Conferences:**

### International:

1. Oral presentation at: International conference on "Aerosols, Air Quality, and Climate Change (AAC-2018) on Himalayan Region of Uttarakhand" in the Department of Physics, School of Science, HNBGU, Srinagar (Garhwal), India on 21-23 October, 2018, titled "Environmental pollution and breast cancer: An insight into the linkage"  
**Nigam M**
2. Oral presentation at: International conference on "Research advancements in Pharmaceutical and clinical sciences" at LTR Institute of Technology (Pharmacy), Kurali, Merrut, India, 4-5<sup>th</sup> Oct 2017. titled "Influence of the Ageing on antioxidant enzymes activity in Tomato".  
**Nigam M**
3. Oral presentation at: *International Conference on Advances in Biomedical Engineering, Cancer Biology, Bioinformatics and Applied Biotechnology (ABECBAB-2016) Organized by "Krishi Sanskriti"* on 21<sup>st</sup> may, 2016 at Jawaharlal Nehru University, New Delhi titled: Caspase inhibition restrains Centchroman induced apoptosis in Human Breast Cancer cells.  
**Nigam M\***, Sharma R, Balapure AK
4. Oral presentation at: *International Conference on Advances in Biomedical Engineering, Cancer Biology, Bioinformatics and Applied Biotechnology (ABECBAB-2015) Organized by "Krishi Sanskriti"* on 25<sup>th</sup> and 26<sup>th</sup> July, 2015 at Jawaharlal Nehru University, New Delhi titled: Role of the transcription-independent mitochondrial p53 pathway to Centchroman induced apoptosis in Human Breast Cancer Cells (HBCCs) cells.  
**Nigam M\***, Sharma R, Balapure AK
5. Poster & Abstract at: "5th International Conference on Stem Cells and Cancer (ICSCC-2014): Proliferation, Differentiation, and Apoptosis" at JNU Convention Centre, New Delhi, (8 - 10 November, 2014); titled; Bax, Bak and Cytochrome c mediated mitochondrial signaling during Centchroman mediated Apoptosis  
**Nigam M\***, Sharma R, Balapure AK

### National

1. Invited talk on "**National Service Scheme**" as a resource person in Induction programme organized by Department of Physical Education on 4<sup>th</sup> Sept 2018.
2. Invited Lecture on "**Cancer and Immunization**" on "World Immunology Day", sponsored by Indian Immunology Society, New Delhi at Department of Biochemistry, H.N.B. Garhwal University (A Central University), Birla campus, Srinagar (Garhwal) on 1<sup>st</sup> May, 2018.
3. Invited Lecture on "**Cancer and tuberculosis: an unexplored challenge**" in "World Tuberculosis Day 2018" organized by Department of Botany and Microbiology, H.N.B. Garhwal University (A Central University), Srinagar (Garhwal) on 24<sup>th</sup> March 2018
4. Delivered lecture as a resource person on "**Cancer: Introduction, awareness and prevention**" at Birla campus unit, National service scheme, HNB Garhwal University (A Central University), Srinagar (Garhwal), on 7<sup>th</sup> Feb 2018 during 7 days special camps for boys (7<sup>th</sup> to 13<sup>th</sup> February 2018).
5. Keynote Address & Lecture on Breast Cancer in "World Cancer Day" at Department of Biochemistry, H.N.B. Garhwal University (A Central University), Birla campus, Srinagar (Garhwal) on 4<sup>th</sup> Feb, 2018.
6. Delivered lecture as a resource person on "**Breast cancer: Introduction, awareness and prevention**" at Birla campus unit, National service scheme, HNB Garhwal University (A Central University), Srinagar (Garhwal), on 22<sup>nd</sup> Jan 2018 during 7

days special camps for girls (22<sup>nd</sup> to 28<sup>th</sup> January 2018).

7. Poster presentation at: 86<sup>th</sup> Annual Conference of Society of Biological Chemists (SBC-2017) on “Emerging Discoveries in health and agricultural sciences”, at Jawaharlal Nehru University, New Delhi, 16-19<sup>th</sup> November 2017. titled "Accelerated ageing induces physiological and biochemical changes in tomato involving MAPK pathways" Nigam M
8. Invited Lecture on “Infectious diseases” on “World Immunology Day”, sponsored by Indian Immunology Society, New Delhi at Department of Biochemistry, H.N.B. Garhwal University (A Central University), Birla campus, Srinagar (Garhwal) on 29<sup>th</sup> April, 2017.
9. Keynote Address & Lecture on Breast Cancer in “World Cancer Day” (THEME: “We can, I can”) at Department of Biochemistry, H.N.B. Garhwal University (A Central University), Birla campus, Srinagar (Garhwal) on 4<sup>th</sup> Feb, 2017.
10. Keynote address & lecture on “Gender Issues” at Department of Biochemistry, H.N.B. Garhwal University (A Central University), Birla campus, Srinagar (Garhwal) on 5<sup>th</sup> Sept, 2016.
11. Oral presentation at: National Conference on Recent Advances in Science & Technology, organized by Uttaranchal college of applied and life sciences, Uttaranchal University, Dehradun on 27-28 February 2017 titled; *Influence of the Ageing on Biochemical and Physiological changes in Tomato* Nigam M
12. Oral Presentation and abstract at: National conference on Microbes in Extreme Environment: Diversity and Translational Applications (MEEDTA- 2015) organized by HNB Garhwal University (A Central University), Srinagar (30-31 Oct 2015) titled; *Microbiome: Interlinking with the Cancer*. Nigam M

#### Conference/Symposium/Workshop Organized during last five years (2014-2019)

1. Organized “Induction Programme” for freshers on 16<sup>th</sup> Aug 2018 at Department of Biochemistry, HNB Garhwal University Birla campus, Srinagar (Garhwal) **ORGANISER**
2. Organized “World Cancer Day”, at Department of Biochemistry, HNB Garhwal University, Birla campus, Srinagar (Garhwal), 4<sup>th</sup> Feb, 2018, **ORGANISER**
3. Organized “National Science Day” at Department of Biochemistry, HNB Garhwal University Birla campus, Srinagar (Garhwal), February 28, 2018, **ORGANISER**
4. Organized “Induction Programme” for freshers on 22<sup>nd</sup> Aug 2017 at Department of Biochemistry, HNB Garhwal University Birla campus, Srinagar (Garhwal) **ORGANISER**
5. Organized “Swacha Bharat Abhiyan” event on 2<sup>nd</sup> Oct 2014, 2015, 2016, 2017, 2018 at Department of Biochemistry, HNB Garhwal University Birla campus, Srinagar (Garhwal)
6. Organized “World Cancer Day”, at Department of Biochemistry, HNB Garhwal University, Birla campus, Srinagar (Garhwal), 4<sup>th</sup> Feb, 2017, **CONVENER**
7. Organized lectures on “Gender Issues” at Department of Biochemistry, HNB Garhwal University Birla campus, Srinagar (Garhwal), 5<sup>th</sup> Sept, 2016, **ORGANISER**
8. Organized “National Science Day” at Department of Biochemistry, HNB Garhwal University Birla campus, Srinagar (Garhwal), February 28-29, 2016, **CONVENER**

**Publications during last five years (2014-2019)**

**Journals**

1. Nigam M, Atanassova M, Mishra AP, Pezzani R, Devkota HP, Plygun S, Salehi B, Setzer WN and Sharifi-Rad J Bioactive Compounds and Health Benefits of *Artemisia* Species Natural Product Communications July 2019: 1–17 DOI: 10.1177/1934578X19850354 (**Impact Factor: 0.554**)
2. Nigam M, Suleria H.A.R., Farzaei M.H., Mishra A.P. Marine anticancer drugs and their relevant targets: a treasure from the ocean. DARU Journal of Pharmaceutical Sciences 2019, <https://doi.org/10.1007/s40199-019-00273-4> (**Impact Factor: 2.667**)
3. Saklani S, Rawat Y, Plygun S, Shariati MA, Nigam M, Maurya VK, Yadav A, Mishra AP Biological activity and preliminary phytochemical screening of *Terminalia alata heyne ex roth.* J Microbiol Biotech Food Sci 2019 : 8 (4) 1010-1015
4. Nigam M, Mishra AP, Salehi B, Kumar M, Sahrifi-Rad M, Coviello E, Iriti M, Sharifi-Rad J Accelerated ageing induces physiological and biochemical changes in tomato seeds involving MAPK pathways. Scientia Horticulturae 2019, 248, 20-28 (**Impact Factor: 1.760**)
5. Waheed M, Hussain MB, Javed A, Mushtaq Z, Hassan S, Shariati MA, Khan MU, Majeed M, Nigam M, Mishra AP, Heydari M., Honey and cancer: A mechanistic review Clinical Nutrition 2018 (**Impact Factor: 5.496**)
6. Salehi, B.; Mishra, A.P.; Nigam, M.; Sener, B.; Kilic, M.; Sharifi-Rad, M.; Fokou, P.V.T.; Martins, N.; Sharifi-Rad, J. Resveratrol: A Double-Edged Sword in Health Benefits. Biomedicines 2018, 6(3), 91.
7. Nigam M, Saklani S, Plygun S, Mishra AP. Antineoplastic potential of the *Vitex* species: An overview Boletín latino americano y del caribe de plantas medicinales y aromáticas (2018),17(5): 492-502 (**Impact Factor: 0.5**)
8. Kumar, M., Yusuf, M.A., Nigam, M. An Update on Genetic Modification of Chickpea for Increased Yield and Stress Tolerance. Molecular Biotechnology 2018, 60(8):651-663 (**Impact Factor: 1.815**)
9. Atanassova MS, Aslam MS, Sharma S, Nigam M, et al. Studies on nutritional facts of spring herbs collected from Bulgarian market. J pub health catalog. 2018;1(3):15-20.
10. Mishra, A.P., Salehi, B., Sharifi-Rad, M., Pezzani R., Kobarfard F., Sharifi-Rad J., Nigam M. Programmed Cell Death, from a Cancer Perspective: An Overview Molecular Diagnosis and Therapy 2018, 22: 281-295. (**Impact Factor: 2.716**)
11. M Kumar, MA Yusuf, PS Chauhan, M Nigam Pseudomonas putida and Bacillus amyloliquefaciens alleviates the adverse effect of pesticides and poise soil enzymes activities in chickpea (*Cicer arietinum* L.) rhizosphere. Tropical plant research 2017, 4 (3):405-418.
12. Saklani, S.; Mishra, A.P.; Chandra, H.; Atanassova, M.S.; Stankovic, M.; Sati, B.; Shariati, M.A.; Nigam, M.; Khan, M.U.; Plygun, S.; Elmsellem, H.; Suleria, H.A.R. Comparative Evaluation of Polyphenol Contents and Antioxidant Activities between Ethanol Extracts of *Vitex negundo* and *Vitex trifolia* L. Leaves by Different Methods. Plants 2017, 6, 45-55. (**Impact Factor: 2.6**)

**Proceedings: None**

**Books: None**

**Total Number of Research Publications: 16**