

## Faculty Profile



- (i) *Name: Dr. Smita Singh*
- (ii) *Designation: Assistant Professor*
- (iii) *E-mail ID: singhsmitta123@gmail.com*
- (iv) *Research Area/ Specialization: Molecular Biology, Population Genetics, Cell Biology*
- (v) *Experience: 8 years*
- (vi) *Education*

<i>Degree</i>	<i>Institution</i>	<i>Year</i>	<i>Division/Distinctions</i>
<i>Graduation (B.Sc. Hons.)</i>	<i>Institute of Sciences Banaras Hindu University</i>	<i>2003</i>	<i>First</i>
<i>Post-Graduation (M.Sc. Biotechnology)</i>	<i>Department of Biotechnology Rajasthan Vidyapeeth, University</i>	<i>2005</i>	<i>First</i>
<i>PhD (Biotechnology)</i>	<i>Institute of Sciences Banaras Hindu University</i>	<i>2007-2012</i>	<i>Awarded</i>
<i>Post- Doctoral Experience</i>	<i>(Research Associate) Center of Food Sciences, BHU</i>	<i>2013-2015</i>	<i>Completed</i>
<i>Service</i>	<i>Scientific Officer Medical Laboratory (Private)</i>	<i>2015-2019</i>	<i>Completed</i>
<i>Post- Doctoral Experience</i>	<i>Department of Geriatric Medicine, Institute of Medical Sciences, BHU</i>	<i>2019-2021</i>	<i>Completed</i>

- (vii) *Awards/ Honors/Recognitions:*  
***Awarded DST-PDF (Cognitive Research Scheme Initiative)***  
***Awarded Young Scientist from National Society of Food Science and Technology.***  
***Awarded Best Presentation in Workshop conducted by Department of Ag. Economics, IAS, BHU***
- (viii) *Link of Profile (University Link, Research gate, Google Scholar etc.)*
- (ix) *ResearchID (ORCID/WoS/Publon/Google Scholar/VIDWAN/Research Gateetc.)*  
<https://scholar.google.com/citations?user=2OMvH8YAAAAJ&hl=en>

- (x) *Faculty Index (H-index/ i-Index/RG Score/ Cumulative Impact Factor (SCI) etc.) Citation 89, H index-7, Ii 10 index 8*
- (xi) *Research/Review/ Books/ Chapters/ Articles/ Monograph/Edited Book Published (in Number only)-from up to 2022 : 39*

<b>Research Paper Published (In Numbers only) till 2022</b>	
<b>SCI/ SCIE</b>	15
<b>Scopus</b>	23
<b>UGC Care listed</b>	18
<b>Others</b>	5

<b>Books and Publications (In Numbers only) 2016-2022</b>	
<b>Books/ Edited Books</b>	One
<b>Book Chapter</b>	Eleven
<b>Monograph</b>	Nil
<b>Article</b>	Four

- (xii) *List Ten Research / Review Paper Published (2016 to-2022) (Only SCI/SCIE/Scopus/WoS/ UGC care List)*

1. Kumar A\*, **Smita Singh**, Anup Singh, Ashish Verma and Vijay Nath Mishra. Diffusion tensor imaging based white matter changes and level of antioxidant enzymes for early diagnosis for mild cognitive impairment. **International Journal of Neuroscience**. 2018; IF-1.8, ISSN-0020-7454.
2. Kumar A\*, **Smita Singh**, Ashish Verma and Vijay Nath Mishra. Proteomics based identification of differential plasma proteins and changes in white matter integrity as markers in early detection of mild cognitive impaired subjects at high risk of Alzheimer's disease. **Neuroscience Letter**. 2018; 676:71-77, IF-2.2, ISSN-0304-3940.
3. Kumar A\*, **Smita Singh**, Ashish Chaurasiya, Aanchal Singh. Implication of Pre-clinical biomarker in mild cognitive impairment (MCI) and Alzheimer's disease: Promises and future challenges. **Research Report**. 2018; 2: e1-e16, doi: 10.9777/rr.2018.10324.

4. Abhai Kumar, **Smita Singh**, Role of Proteomics and imaging technology in identification of prospective biomarker for mild cognitive impairment (MCI) and Alzheimer's disease. Current Journal 2017, Vol. 4 No. 16 page no 183-202.
5. Abhai Kumar, **Smita Singh**, Ashish Verma, V.N. Mishra, MMSE neuropsychological assessment and diffusion tensor imaging based on white matter changes for early identification of mild cognitive impairment (MCI). Current Journal 2017 October-December Vol.4 No. 16 page no. 171-182.
6. Abhai Kumar, **Smita Singh**, Suneel Kumar Ahirwar, Gopal Nath. Proteomics-based identification of plasma proteins and their association with the host–pathogen interaction in chronic 4 typhoid carriers. International Journal of Infectious Diseases 19 (2014) 59–66. ISSN: 1201-9712
7. Abhai Kumar, **Smita Singh** and Gopal Nath. Proteoglycomics and Disease Marker: Promises and Future Challenges. Advanced Techniques in Biology & Medicine. Adv Tech Biol Med, (2014). 1:2 <http://dx.doi.org/10.4172/atbm.1000113>.
8. Dharmendra Kumar, Abhai Kumar, **Smita Singh**, Ragini Tilak. (2014). Candidemia-induced pediatric sepsis and its association with free radicals, nitric oxide, and cytokine level in host, Journal of Critical Care, Vol. 30, Issue 2, p296–303, Published online: December 3, 2014. Impact Factor 2.19. ISSN: 0883-9441
9. **Smita Singh**, Diwaker Mishra, Anil Kr Chauhan, Optimization and functional analysis of antioxidant enriched chocolate formulation. (2018) Indian Journal of Dairy Sciences, Indian J Dairy Sci 71(6):1-8
10. **Smita Singh**, Sudhakar Pandey, Richa Raghuvanshi and B. Singh Generation mean analysis for fruit traits in an infra-specific population of melon Green Farming Vol. 9 (6): 954-958; November-December, 2018
11. **Smita Singh**, Sudhakar Pandey, Richa Raghuvanshi, and Major Singh. Genetic study for yield and quality traits in infra-specific mapping population of melon Communications in Plant Sciences (July-December 2016), Volume 6, Issues 3-4, Pages 61-65 Communication in Plant Sci. (ISSN 2237-4027)
12. **Smita Singh**, Sudhakar Pandey, Richa Raghuvanshi, V Pandey and Major Singh. (2015). SSR analysis for fruit and quality characters in infra-specific mapping population of melon. Indian Journal of Agricultural Sciences- 85 (1): 32–7, January 2015/Article. NAAS rating 6.18, Impact factor 0.6.

13. Anil K Chauhan, **Smita Singh**, Ravi Pratap Singh and SP Singh 2014. Guava-Enriched Dairy Products: A Review. Article Indian J. Dairy Sci. 68(1):1-5, 2015 ISSN: 0019-5146. Indian Journal of Dairy Science, NAAS rating 4.19.
14. **Smita Singh**, Anil Kr Chauhan, Ravi P Singh and Abhai Kumar. Determination of Antioxidant Capacity, Total Phenolics and Antimicrobial Properties of Spray-Dried Guava Extract for Value-Added Processing J Food Process Technol 2014, 5:9 <http://dx.doi.org/10.4172/2157-7110.1000368>
15. **Smita Singh**, Anil K Chauhan, Rashmi Gautam and Ravi Pratap Singh Microencapsulation of lycopene in maltodextrin and gelatin using spray drying technology and its application in fermented dairy foods. Indian Journal of Dairy Science, 67(1) (2014) 12-19. (NASS Rating 4.8) ISSN: 0019-5146. NAAS rating 4.19

(xiii) *Completed /Ongoing project*

<i>Project Title</i>	<i>Funding agency</i>	<i>Amount sanctioned (in Lakhs)</i>	<i>Year /Duration</i>	<i>Status (Ongoing/Completed)</i>
<i>Role of Benzodiazepine and Z drugs on cognitive decline of elderly suffering from insomnia</i>	<i>DST</i>	<i>Rs.21,24,320/-</i>	<i>2019-2021</i>	<i>Completed</i>

(xiv) *Participation and Paper Presented (in Number only)*

<b>Papers Presented (In Numbers only)</b>	
<b>Conferences</b>	Seven
<b>Seminar</b>	Three
<b>Workshop</b>	Five
<b>Resource Person</b>	One
<b>Seminar Chaired</b>	Nil

(xv) *Consultancy Nil*

(xvi) *Patents Nil*

(Signature of Faculty)

*anitasingh*  
(स्मिता सिंह)