CURRICULUM VITAE

Name:	**Shahana Majumder**	
Designation:	**Professor**	
School:	**School of Life Science**	
Department:	**Botany**	
Specialisation & Research Interests:	**Molecular diagnostics of plant viruses, characterization of plant viruses, elimination of plant viruses**	
Email IDs (Official & Personal)	shahanamajumder@mgcub.ac.in shahanamajumder@gmail.com	
Mobile No.:	+91-9311492227	
Address:	Mahatma Gandhi Central University, Chanakya Parisar, Near Sadar Hospital, Motihari District- East Champaran, Bihar- 845401 (INDIA)	

2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University / Board
Ph.D	2002	University of Kalyani, West Bengal
M.Sc	1993	University of Kalyani, West Bengal
B. Sc	1991	University of Delhi

Degree	Year	University / Board

3. ANY OTHER QUALIFICATION: Nil

4. PROFESSIONAL EXPERIENCE:

Organisation/Institute/University	Position Held	Duration
Sharda University, Greater Noida, UP -201306	Professor	01-10-2016 to 25-11-2019
Sharda University, Greater Noida, UP -201306	Associate Professor	01-07-2009 to 30-09-16
Indian Agricultural Research Institute, New Delhi-110012	Young Scientist (DST young scientist scheme)	31-08-2006-30-06-2009
Punjab Technical University, Jalandhar	Lecturer	28-12-2003 to 28-08-2006
Indian Agricultural Research Institute, New Delhi-110012	Research Associate	10-10-2000 to 27-12-2003
Indian Agricultural Research Institute, New Delhi-110012	Senior Research Fellow	27-05-1996 to 31-05-2000
Centre for Inter-Disciplinary Studies of Mountain & Hill Environment, South Campus, University of Delhi	Junior Research Fellow	01-06-1995 to 18-03-1996

5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
HoD, Botany	25.11.2019 to till date	All administrative duties related to functioning of the Department
Internal Complaint Committee, Presiding Officer	02.12. 2019 to till date	Attending to issues of gender based violence and to conduct gender sensitization programme
Coordinator, Committee for Centre for sustainable development	09. 01.2020 to till date	To study the various aspects for starting the centre
Coordinator, PTU	28-12-2003 to 28-08-2006	Academics

6. COURSES TAUGHT:

Plant Biotechnology

Genetic Engineering

7. RESEARCH SUPERVISION:

A. Ph.D.:

i. Awarded : 3
ii. Submitted : 2
iii. Ongoing : 2

B. M.Phil.: Nil

i. Awarded :
ii. Submitted :
iii. Ongoing :

C. Non-Degree Oriented (Master's Level Dissertation): 16

i.	**Awarded**	**:**	**16**
ii.	**Submitted**	**:**	
iii.	**Ongoing**	**:**	

8. CONTRIBUTION TO CORPORATE LIFE OF THE UNIVERSITY:

NA

9. MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:

Life member of Indian Virological Society

10. PUBLICATIONS:

A. BOOKS/MONOGRAPHS:

1. Authored:

i. ……
ii. …….
iii. …….

2. Edited:

i. ……
ii. …….
iii. …….

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

1. Andrabi, S. M., **Majumder, S**., Gupta, K. C., & Kumar, A. (2020). Dextran based amphiphilic nano-hybrid hydrogel system incorporated with curcumin and cerium oxide nanoparticles for wound healing. *Colloids and Surfaces B: Biointerfaces*, 111263.

2. **Majumder, S**., Singh, S., & Singh, J. (2020). First report of garlic virus D in Allium stracheyi from India. *Journal of Plant Pathology*, 1-1.

3. Kebede, Y., Singh, J., **Majumder, S.** (2020). Molecular characterization of the partial coat protein gene of an Onion yellow dwarf virus isolate detected in garlic (Allium sativum L.) from the West Shewa zone of Ethiopia. Journal of Plant Protection Research. https://doi.org/10.24425/jppr.2020.132205

4. **Majumder, S**., Bhattacharya, B., Singh, P. K., Johari, S., Singh, B., & Rahman, R. (2020). Impedimetric detection of Banana bunchy top virus using CdSe quantum dots for signal amplification. *SN Applied Sciences*, *2*(4), 1-7.

5. Kebede, Y., & **Majumder, S**. (2020). Molecular detection and first report of Cucumber mosaic virus infecting 'Cavendish'banana plants in Ethiopia. *Journal of Plant Diseases and Protection*, 1-4.

6. Yadav, V., & **Majumder, S.**(2019) The first complete genome sequence of garlic common latent virus occurring in India. *VirusDisease*, **30** (2), 311–314.

7. **Majumder, S**., & Johari, S. (2018). Development of a gold-nano particle based novel dot immunobinding assay for rapid and sensitive detection of Banana bunchy top virus. ***Journal of virological methods*** **255**, 23-28

8. Bharmoria, A., **Majumdar, S**(2018)Standardization of a VI antigen based dotblotelisa for detection of rabbit anti-VI IgG.Asian Journal of Microbiology, Biotechnology and Environmental Sciences20(3):904-910

9. **Majumder, S**., Mbay, K., & Singh, J. (2018). First report of garlic virus D in garlic from DR Congo. *Journal of Plant Pathology*, *100*(1), 143-143

10. Onwurah Christian, and **Majumder, S**. (2017) Oral Toxicity Evaluation of *Scenedesmus abundans* Proposed as Food Supplement.**Asian journal of microbiology, biotechnology and environmental science**, 19(4) ,1005-1011

11. Onwurah Christian, and **Majumder, S**. (2017) Nutrient Profile of *Scenedesmus abundans* Indicates it's Potential as Food Supplement. **Asian journal of microbiology, biotechnology and environmental science,** 19 (3), 744-751

12. Christian, O., **Majumder, S**., & Taneja, P. (2017). Growth Characteristics of Indian and Nigerian Chlorella Pyrenoidosa used as food Supplement. *Biosciences Biotechnology Research Asia*, *14*(2), 835-841.

13. **Majumder, S**., Yadav, V., Yakasai, M. A., & Muhammad, J. Y. (2017). First report of onion yellow dwarf virus in garlic from Nigeria. **Journal of Plant Pathology**, 99(1), 299.

14. Nivedita Singh, **S. Majumder**, Sanjay Singh (2016) A comprehensive genetic diversity in rice using phenotypic and genotypic variables simultaneously. **Indian Journal of Genetics and Plant Breeding**, 76(3) 246-254

15. **Majumder, S**., VineetaYadav, MardiyyaAuwalYakasai, Jamilu Yusuf Muhammad (2016) First Report of *Garlic common latent virus* in Garlic from Nigeria **Journal of Plant Pathology,** 98 (3), 684

16. Bharmoria, A., **Majumdar, S**., &Vaish, V. B. (2016). Typing and Growth Characteristics of Salmonella paratyphi A obtained from Blood sample of a Paratyphoid Case. ***Int. J. Curr. Microbiol. App. Sci***, *5*(2), 769-774.

17. Shivangi Johari and S. Majumder (2015) An Efficient DNA Extraction Protocol for successful PCR Detection of *Banana bunchy top virus* from Banana Leaves.**Asian Journal of Biotechnology 7 (2)**: 80-87

18. Nivedita Singh, **Shahana Majumder**, O. N. Singh, Prashant Vikram, A. K. Singh, Sanjay Singh , (2015) A large-effect QTL for grain weight in rice on chromosome 10. **Australian Journal of Crop Science** 9(5):372-377.

19. **S**. **Majumder** and Shivangi Johari (2014) First report of Onion yellow dwarf virus and Garlic common latent virus infection in garlic from Nepal. **Journal of Plant Pathology 96**: S4.117

20. **S. Majumder** andV. K. Baranwal (2014) Simultaneous detection of four garlic viruses by multiplex reverse transcription PCR and their distribution in Indian garlic accessions. **Journal of Virological Methods 202**:34-8

21. **Majumder, S**., Bhattacharya, B., Singh, P. K., & Johari, S. (2013). Detection of Banana Bunchy Top Virus Using Impedance Spectroscopy. **Sensor Letters**, *11*(11), 2055-2059

22. Rahul Singh, Nitin A. Jadhav, **S. Majumder**, B. Bhattacharya, Pramod K. Singh (2012). Novel biopolymer gel electrolyte for dye-sensitized solar cell application. **Carbohydrate Polymers**: 91 (2013); 682- 685

23. **S. Majumder** and V. K. Baranwal (2011) Sequence Comparison and Phylogeny of Nucleotide Sequence of Coat Protein and Nucleic Acid Binding Protein of a Distinct Isolate of *Shallot virus* X from India.. **Indian Journal of Virology22**(1): 63–65, DOI 10.1007/s13337-011-0040-5

24. Meenakshi Arya, **S. Majumder** and V. K. Baranwal (2009) Partial characterisation of coat protein gene of *Shallot latent virus* associated with garlic in India. **Indian Journal of Virology20**(1)**:** 9-11 (0.276)

25. **S. Majumder** andV. K. Baranwal (2009).First report of Garlic common latent virus in garlic from India. **Plant Dis93**: 106 (Online as doi:10.1094/PDIS-92-0-00000)

26. **S. Majumder,** V. K. Baranwal and Subodh Joshi (2008). Simultaneous detection of *Onion yellow dwarf virus* and *Garlic latent virus* in infected leaves and cloves of garlic by duplex RT-PCR. **Journal of Plant Pathology 90**:369-372

27. **S. Majumder**, M. Arya, R. P. Pant and V. K. Baranwal (2007). *Shallot virus X* in Indian shallot, a new virus report for India. **PlantPathology57**:2 (New Disease Report 15. http://www.bspp.org.uk/ndr/volume.asp)

28. Baranwal V.K., **S. Majumder**, Ahlawat Y.S. and Singh R.P. (2005). A novel approach for simultaneous detection of *Citrus yellow mosaic virus* and fastidious greening bacterium by multiplex polymerase chain reaction. **Indian Journal of Biotechnology4:** 528-533

29. Baranwal, V. K.,**Majumder,S.**, V. Suryanarayana, D.K. Ghosh and Y.S. Ahlawat, (2004) PCR detection of *Candidatus*Liberibacterasiaticus, the agent of huangglobin or greening disease in Citrus. **Indian Phytopathology57**(2):164-168

30. Baranwal V. K., **Majumder S.**, Ahlawat Y. S. and Singh R. P. (2003). Sodium sulphite yields improved DNA of higher stability for PCR detection of citrus yellow mosaic virus from citrus leaves. **Journal of Virological Methods** 112:153-156.

31. Ahlawat Y. S., Baranwal V. K., Thinlay D.D. and **Majumder S.** (2003). First report of citrus greening and associated bacterium *Candidus*Liberibacter*asiaticus* from Bhutan. **Plant Disease**, 87 (4) : 448.

32. Kandhari J., **Majumder S.** and Sen B. (2000). Impact of *Aspergillusniger* AN27 on growth promotion and sheath blight disease reduction in rice. **International Rice Research Notes** 25 : 21-22 (International Rice Research Institute, Manila).

C. PAPERS IN CONFERENCES PROCEEDINGS:

1. **S. Majumder** and V.K. Baranwal (2008).Multiplex-PCR detection of Poty-, Carla-and Allexiviruses in *Allium* crops of India . In Proceedings of XVIII National Conference of Indian Virological Society. Organised by Department of Virology,Research (December11-13 2008),at PGI Chandigarh160012

2. Baranwal V.K., **S. Majumder**, Ahlawat Y.S. and Singh R.P. (2003). A novel approach for simultaneous detection of *Citrus yellow mosaic virus* and fastidious greening bacterium by multiplex polymerase chain reaction. Poster paper presented in National Symposium on Crop surveillence: Disease Forecasting and Management Organised by IPS (19-21 Feb.,2004) at IARI, New Delhi-12.

3. Sen B., **Shahana Majumder** and Sanjeev Kumar. (2002). Thermodependence of soil borne pathogens and their control by *Kalisena* bioformulation. ***In Proceedings of Asian Congress of Mycology and Plant Pathology on Plant Health and Food Security***, organize by University of Mysore and Indian Society of Mycology and Plant Pathology, held at Mysore, India from 1-4 Oct., 2002, 21-22 pp.

4. Sen B. Sanjeev Kumar, **Shahana Majumder**, G. Mondal, K. Angappan, K. Mukherjee, C. Chattopadhyay and I.K. Das. (1998). Kalisena, A novel biopesticide for disease free crop And better yield. ***In Proceedings of National Symposium on Development of Microbial Pesticides and Insect Pest Management,***Organised by BARC, Mumbai and HindustanAntibiotic Limited, Pune, Held at Pune, India on 12-13 Nov., 1998. 81-98 pp.

11. Patents/Copyrights /IPR (If Any)

12. INVITED TALKS:

13. RESEARCH PROJECTS *(COMPLETED / ONGOING)*:

Sl.No	Funding agency	Sanction order	Title
1	Department of Biotechnology, Ministry of Science & Technology, Government of India	DBT Project no-BT/PR12232/BPA/ 118/54/2015 **On going from April 2017**	"Development of a multiplex indexing technique using Gold Nano-particle reporters for onsite detection of multiple viruses infecting banana."
2	Department of Biotechnology, Ministry of Science & Technology, Government of India	DBT Project no-BT/ PR13207/ PBD/16/870/2009 **Completed March 2015**	"Molecular characterization and Development of user friendly on-site detection kit for Banana bunchy top virus infecting Banana"

3	Department of Science & Technology, Government of India **Under SERC Fast track Young Scientist scheme**	DST No: SR/FT/1-136/2005 dated 14.7.06 **Completed**- August 2009	"Increasing the potential of Indian Garlic by virus elimination through Micropropagation"

14. PARTICIPATION& PRESENTATIONS IN SEMINARS/SYMPOSIA/WORKSHOPS/CONFERENCES:

15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

16. ANY OTHER SIGNIFICANT INFORMATION:

Shahana Majumder

(Name of Faculty)