

**Proforma for information to be provided by the Teaching/Academic/Research Staff**

Employee No. 13490



1. Name : (first name) Asha (middle name) (surname) Sinha
2. Designation : Professor
3. Academic Qualifications :

| S.No. | Degree         | Institution | Year |
|-------|----------------|-------------|------|
| 3.    | B.Sc.          | B.H.U.      | 1973 |
| 4.    | M.Sc. (Botany) | B.H.U.      | 1975 |
| 5.    | Ph.D.          | B.H.U.      | 1979 |

4. Area of Specification: (brief write-up) Litter decomposition and plant virology.  
Decomposition of crop residue special rice straw, Kitchen waste, organic waste like wastes of temples, garden leaves by efficient mycoflora, and virus diseases of local plants.
5. Contact Information: Mob. 09415447785. Ph. No.- 0542-2310837  
Email: asinha\_iasbhu@yahoo.co.in.
6. Projects Undertaken as PI/Co PI: **I.** Decomposition of green manure by soil mycoflora in rice field (PI)- UGC.  
**II.** Insect, pest and diseases of *Jatropha* and the potential for their management in eastern Uttar Pradesh (Co-PI)- Ministry of Agriculture, Govt. of India  
**III.** Modulating Bio-farming Oriented Rural Livelihood Through Bio-technological Approached Based Micro-enterprising among farmers by Training cum field Demonstration (Co-PI)- DST, New Delhi.
7. Awards/Recognitions if any: -----
8. List of major Publications: (in order of importance)  
(Performances/exhibitions in the case of Faculties of Performing Arts and Visual Arts)
  1. Studies of mycoflora on decomposing leaf of *Parthenium* in relation to different climatic factors. *Der Tropenlandwirt J. Agricult.* (Germany) **100:229-235**, 1999.
  2. Seed Mycoflora of French bean and its control by means of fungicides. *Der Tropenlandwirt J. Agricult.* (Germany) **100:59-67**, 1999.
  3. Studies on decomposing mycoflora of *Crotalaria juncea* L. *Modern J. Life Sci.* **1: 12-17**. 2002
  4. Production of soluble crude protein using cellulolytic fungi on rice stubble as substrate under waste program management. *Mycology* **33** (3): 147-149. 2005

5. Variation of soil mycoflora in decomposition of rice stubble from rice- wheat cropping system. *Mycobiology* **35** (4):191-195. 2007
6. Effect of green manuring of *Crotalaria juncea* L. on some soil borne pathogens. *Indian Phytopathology* (Under press) 2008
7. Studies on mycoflora of decomposing green manure in relation to different climatic factor and its effect on soil borne plant pathogens. *Indian Journal of Plant Pathology* (Under press). 2008
8. Mycoflora associated with decomposition of rice stubbles mixed with soil. *Journal of Plant Protection Research* **48**(2):247-252. 2008
9. Release of Nitrogen Phosphorus and Potassium from decomposing *Crotalaria juncea* L. in relation to different climatic factors. *Environment and Ecology* (Accepted) 2009.
10. Fungal stress on seed quality. In "Developments in Physiology, Biochemistry and Molecular Biology of Plants, Vol 2" Edited by Banana Bose and A. Hemantaranjan , New India Publishing Agency , New Delhi (India ) pp 95-117.(2008).
11. Viral Diseases of Leguminous crops in journal of Scientific Research, Vol. 54 (1&2): (2010), Pages 135-152.
12. Vibha and **Sinha, A.** (2007). Variation of soil mycoflora in decomposition of rice stubble from rice- wheat cropping system. *Mycobiology* **35**(4):191-195.
13. Rai, J. P.; **Sinha, A.**; Kamil, D. And Kumar, R. (2007). Chemical analyses of the stored seeds of mustard (*Brassica juncea* l.) and their oil content. **Brassica** (Under press).
14. Kumar, R.; **Sinha, A.** and Kamil, D. (2008). Recent methods for detection of plant pathogens. **Journal of Scientific Research** 52, 151-161.
15. Vibha and Sinha, A. (2008). Mycoflora associated with decomposition of rice stubble mixed with soil. **Journal of Plant Protection Research**. 48(2): 247-250.
16. Kamil, D., Kumar, R. and **Sinha, A.** (2008). Effect of green manuring of *Crotalaria juncea* L. on some soil borne pathogens. **Indian Phytopathology**. **62**(3).304-306.
17. **Sinha, A.**, Kumar, R. and Kamil, D. (2008). Studies on mycoflora of decomposing green manure in relation to different climatic factor and its effect on soil borne plant pathogens. **Indian Journal of Plant Pathology** (Under press).
18. Kamil, D.; **Sinha, A.**; Kumar, R. and Sahu, J. K. (2008). *In vitro* inhibition of growth of some plant pathogens by locally soil inhabiting *Aspergillus niger*. **Indian Journal of Plant Pathology** (Under press).
19. **Sinha, Asha**; Srivastava, Manisha; Kumar, Ravindra; Srivastava Seweta & Mishra Hari mohan. Studies on mycoflora of decomposing kitchen waste in relation to different climatic factors and its effect on soil borne plant pathogens. *Environment and Ecology*. (2009).
9. **Additional Information/Achievements** : Field demonstration running training programme to farmers.

**Book Edited: 1.** Microbes & Plants (2001). Published by Campus Book International, New Delhi, India.

**2.** Microbial Diversity: Modern Trends (2007). Daya Publishing House, New Delhi, India.