

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

Employee No.13487

1. Name: DR. KALIKA PRASAD SINGH

2. Designation: PROFESSOR

3. Academic Qualifications:



Sr.	Degree	Institution	Year
1	B.Sc. (Ag.)	Agra University	1964
2	M.Sc. (Ag)	Banaras Hindu University, Varanasi	1966
3	Ph.D	Banaras Hindu University, Varanasi	1970

4. Area of Specification: (brief write-up)

Rhizosphere microbiology, interaction among fungi and nematodes in rhizosphere and rhizoplane, Biology, development of cyst nematodes of pigeon pea and root knot of rice and their management, Biological control of plant parasitic nematodes by nematophagous fungi like *Catenaria anguillulae*, *Arthrobotrys oligospora*, *A. dactyloides*, *Dactylaria brochopaga* etc. Current interest includes taxonomy, bioformulation and application techniques of predaceous fungi.

5. Contact Information:

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6. Projects Undertaken as PI/Co PI:

(i) Development of Chickpea lines resistant to *Ascochyta* and *Alternaria* Blight through selection in vitro (Co PI) Funded by D.B.T. New Delhi.

(ii) Biological control of root knot and wilt complex of brinjal (*Solanum melongena* L.) by Predacious fungi, antagonistic fungi and organic amendments (P.I.) Funded by UPCAR,(U.P.)

(iii) Biological control of root-knot nematodes of Brinjal (*Solanum melongena* L.) with *Catenaria anguillulae* Sorokin” Funded by ICAR.

(iv) “Development of formulation and application techniques of nematode capturing fungi against root-knot causing nematodes of rice and brinjal” (P.I.) Funded by D.B.T., New Delhi.

7. Awards/Recognitions if any:

(i) Member, Research Advisory Committee, I.C.A.R

(ii) Member and Convener, U.G.C. Evaluation Team

(iii) Professor and Head, Department of Crop Protection, IBBU, Lapai, Nigeria.

(iv) Chairman, Research Committee, Faculty of Agriculture, IBBU, Lapai, Nigeria.

8. List of major Publications: (in order of importance)

1. Development of *Catenaria anguillulae* Sorokin in *Heterodera cajani* Koshy. **Mycological Research, 97: 995-97., 1993.**
2. Pathogenicity and development of *Catenaria anguillulae* on some nematodes. **Mycological Research, 100: 1204-1206, 1996.**
3. Techniques for selective isolation, semi -quantification and rapid virulence testing of *Catenaria anguillulae*. **Mycological Research. 102: 658-660, 1998.**
4. Distribution of *Catenaria anguillulae* Sorokin, a facultative endoparasite of nematodes in soils from different locations of India. **World Journal of Microbiology and Biotechnology. 18: 65-67, 2002.**
5. Oil cakes as media for growing *Catenaria anguillulae* Sorokin, a facultative endoparasite of nematodes. **World Journal of Microbiology and Biotechnology. 21: 1181-1185, 2005.**
6. Assessment of Predacity and Efficacy of *Arthrobotrys dactyloides* for biological control of root knot disease of tomato. **J. Phytopathology 154: 1-5, 2006.**
7. Variability in Indian isolates of *Arthrobotrys dactyloides* Drechsler: a nematode trapping fungus. **Current Microbiology. 52: 293-299, 2006.**
8. Biomass of nematode and associated roots: A determinant of symptom production in root knot disease of rice (*Oryza sativa* L.) **J. Phytopathology, 154: 676-682, 2006.**
9. *Catenaria anguillulae* Sorokin: a natural biocontrol agent of *Meloidogyne graminicola* causing root knot disease of rice (*Oryza sativa* L.) **World Journal of Microbiology and Biotechnology. 23: 291-294, 2007.**
10. Nematophagous fungi associated with root galls of rice caused by *Meloidogyne graminicola* and its control by *Arthrobotrys dactyloides* and *Dactylaria brochopaga*. **J. Phytopathology, 155: 193-197, 2007.**
11. Management of *Sclerotium rolfsii* with integration of non-conventional, chemicals, vermicompost and *Pseudomonas syringae*. **World Journal of Microbiology and Biotechnology, 24: 517 – 522, 2008.**

9. Additional Information/Achievements:

- Foreign Visits: Nigeria & China.
- Head of the Department -Mycology & Plant Pathology, I.A.S, B.H.U.(1993-96 & 2002-05).
- Head of the Department -Crop Protection, IBBU, Lapai, Nigeria (2008).
- Organized Training Workshop: On Nematophagous fungi, Department of Crop Protection, IBBU, Lapai, Nigeria (2008).
- Ph. D Supervised: 12

Date: 03.04.2010

Place: Varanasi



Signature