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Teaching experience (In substantive post): **since 1999** - till date

Research Interests: Molecular identification, Phylogeny and Population structure in relation to control of *Phytophthora* spp. in India

A. HONORS/AWARDS

- (i) Commonwealth Professional Fellow (*Funded by DFID, Govt. of UK*;
administered by Commonwealth Scholarship Commission)
- (ii) Fulbright-Nehru Senior Research Fellow (*Funded by U.S. Department of State & Govt. of India*;
administered by United States India Educational Foundation)
- (iii) Visiting Fellow, Department of Plant Pathology and Plant Microbe Biology, Cornell University, USA
- (iv) Travel award from NSF (*National Science Foundation*), USA
- (v) Teacher Fellow (UGC, New Delhi)
- (vi) Recipient of Presidency College Graduate Scholarship

B. PROFESSIONAL SERVICE

PROFESSIONAL POSITIONS:

INTERNATIONAL

- (i) Country coordinator (India), Asiabligh (<https://www.asiabligh.org/>)
- (ii) Consultant, Farmneed Services UK Ltd. (<https://farmneed.com/>)

NATIONAL

- (ii) Jt. Editor- Journal of Mycopathological Research
(https://www.imskolkata.org/management_overview.html)

JOURNAL REVIEWER (*AD HOC*):

- (i) Fungal Biology (<http://www.journals.elsevier.com/fungal-biology/>)
- (ii) Journal of Phytopathology (<https://onlinelibrary.wiley.com/journal/14390434>)
- (iii) Australasian Plant Pathology (<https://link.springer.com/journal/13313>)
- (iv) Indian Phytopathology (<https://www.springer.com/life+sciences/plant+sciences/journal/42360>)
- (v) Archives of Agronomy and Soil Science (<http://www.tandf.co.uk/journals/gags>)

GRANT PANELS REVIEWER (*AD HOC*):

- (i) Czech Science Foundation (<https://gacr.cz/en/>)
- (ii) Department of Biotechnology, Govt. of India
- (iii) Fulbright Fellowships, USIEF, India

C. PUBLICATIONS

SELECTED PEER REVIEWED PUBLICATIONS

BOOK CHAPTERS

1. **Guha Roy S.** 2019. A population genetics perspective to ecology and management of *Phytophthora* spp. affecting potato, tomato and pointed gourd in India. In Vegetable Pathosystem: Ecology, Disease Mechanism and Management” **CRC Press**, USA (*In Press*)
2. **Guha Roy S.** 2016. Host specificity in *Phytophthora* - a conundrum or a key for control? In: The Phytopathogen: Evolution and Adaptation. Chapter 7, Pages 174-189. **CRC Press**, USA.
3. **Guha Roy S.** 2015. *Phytophthora* -a member of the Sixth kingdom revisited as a threat to food security in the 21st century. In: Value addition of Horticultural crops: Recent trends and future directions. Pages 325-337; **Springer**, ISBN: Print ISBN 978-81-322-2261-3, Online ISBN 978-81-322-2262-0 http://link.springer.com/chapter/10.1007/978-81-322-2262-0_19
4. **Guha Roy S** & Grünwald NJ. 2014. The plant destroyer genus *Phytophthora* in the 21st century. **Review of Plant Pathology**, Vol. 6, Page 387-412. (Eds. B. N. Chakraborty and U. Chakraborty), Scientific Publishers (India), Indian Society of Mycology and Plant Pathology, Udaipur - 313 001 (India) **DOI:** 10.13140/2.1.3200.8329

PEER REVIEWED PAPERS

1. Dey T, Saville A, Myers K, Tewari S, Cooke DEL, Tripathy S, Fry WE, Ristaino JB, **Guha Roy S.** (2018). Large sub-clonal variation in *Phytophthora infestans* from recent severe late blight epidemics in India. **Scientific Reports** 8:4429. # **Corresponding author, IF = 4.259**
2. ***Guha Roy S**, Dey T, Cooke DEL. (2018) Fungicide sensitivity of the Indian sub-clonal variants of the *Phytophthora infestans* 13_A2 lineage. **Phytopathology.**, 108 (10), 153-153S **IF = 3.036**
3. Panabières F, Ali GS, Allagui MB, Dalio R.J.D., Gudmestad NC, Kuhn ML, **Guha Roy S**, Schena L, Zampounis A. (2016). *Phytophthora nicotianae* diseases worldwide: new knowledge of a long-recognised pathogen. **Phytopathologia Mediterranea** 55 :(1), 20-40. **IF = 1.396**
4. Sophien Kamoun, Oliver Furzer, Jonathan D.G. Jones, Howard S. Judelson, Gul Shad Ali, Ronaldo J. D. Dalio, **Sanjoy Guha Roy**, Leonardo Schena, Antonios Zampounis, Franck Panabières, David Cahill, Michelina Ruocco, Andreia Figueiredo, Xiao-Ren Chen, Jon Hulvey, Remco Stam, Kurt Lamour, Mark Gijzen, Brett M. Tyler, Niklaus J. Grünwald, M. Shahid Mukhtar, Daniel F. A. Tomé, Mahmut Tör, Guido Van den Ackerveken, John McDowell, Fouad Daayf, William E. Fry, Hannele Lindqvist-Kreuze, Harold J.G. Meijer, Ben Petre, Jean Ristaino, Kentaro Yoshida, Paul Birch, and Francine Govers (2014) The Top 10 oomycete pathogens in molecular plant pathology. **Molecular Plant Pathology** 16: (4) 413–434; **Featured article, IF = 4.485**
5. *I.M. Small, K.L. Myers, G. Danies, **S. Guha Roy**, K. Bekoscke, W. E. Fry (2012) Characterization of recent clonal lineages of *Phytophthora infestans* in the United States using microsatellite markers. **Phytopathology** 102:S4.110. **IF = 2.618**
6. * K. Myers, I. Small, S. Jensen, P. Zuluaga, **S. Guha Roy**, and W. Fry (2010) Characterization of *Phytophthora infestans* isolates from potato/tomato in 2010. **Phytopathology** 101S: 261-262. **IF = 2.618**

7. **Guha Roy, S.**, Mukherjee, SK., Bhattacharyya, S., and Khatua, DC. (2009) Molecular identification of *Phytophthora* sp. affecting some economically important crops in Eastern India through ITS-RFLP and sequencing of the ITS region. *Journal of Phytopathology* **157**: 666-674. **IF = 1.104**
8. **Guha Roy S.** and Hong CX. (2008) First report of *Pythium* root rot and leaf blight of Elephant foot yam (*Amorphophallus campanulatus*) in India. *Plant Pathology* **57**(2): 369.
Corresponding author, **IF = 2.647**
9. **Guha Roy S.**, Bhattacharyya S., Mukherjee SK., Mondal N., and Khatua, DC. (2006) *Phytophthora melonis* associated with fruit and vine rot disease of pointed gourd in India as revealed by RFLP and sequencing of ITS region. *Journal of Phytopathology* **154**(10): 612-615. **IF = 1.104**
10. Chakraborty S, Mukherjee SK, Tarafdar J, **Guha Roy S.** 2016a. Biocontrol and plant growth promoting activity of bacterial strain *Pseudomonas aeruginosa* KUCd1 in root rot disease of Chilli (*Capsicum* sp.) caused by *Phytophthora capsici* under in vivo conditions. *Journal of Mycopathological Research*, 54(1): 93-100.
Corresponding author, **NAAS journal ranking 4.9**
11. Chakraborty S, Mukherjee SK, Tarafdar J, **Guha Roy S.** 2016b. Biocontrol and plant growth promoting activity of bacterial strain *Pseudomonas aeruginosa* KUCd1 in Phytophthora rot of brinjal (*Solanum melongena* L.) caused by *Phytophthora nicotianae* Breda de Haan under in vivo conditions *Journal of Mycopathological Research*, 54(2): 229 -237.
Corresponding author, **NAAS journal ranking 4.9**
12. **Guha Roy S.**, and Bhattacharyya S. (2009) Phylogeny of *Phytophthora* isolates from West Bengal as inferred from rDNA ITS gene sequences. *Journal of Mycopathological Research* **47** (1): 1-13
Corresponding author, **NAAS journal ranking 4.9**
13. **Guha Roy S.**, (2008) Progress in *Phytophthora* research: Identification, Species diversity and Population diversity *Journal of Mycopathological Research* **46**(2): 163-184
Corresponding author, **NAAS journal ranking 4.9**
14. **Guha Roy S.**, Chakraborty S., and Mukherjee SK. (2007) Biological control of *Phytophthora* species with a novel indigenous *Pseudomonas* isolate. *Journal of Mycopathological Research* **45**(1): 117-121. **NAAS journal ranking 4.9**
15. **Guha Roy S.**, Mukherjee SK., and Bhattacharyya S. (2007) Analysis of diversity of *Phytophthora* spp. prevalent on some common economically important crops through morphological and molecular methods. *Journal of Mycopathological Research* **45**(1): 122-128.
Corresponding author, **NAAS journal ranking 4.9**

*Seminar abstract publication in peer reviewed journals

D. EXTRA MURAL FUNDED RESEARCH SUPPORT**Research Projects Sanctioned in 2019 (As PI)**

Sl No.	Title of Project	Funding Agency & Amount	Duration
1.	Surveillance and monitoring of populations of the devastating Irish potato famine pathogen, <i>Phytophthora infestans</i> in India ... the nation.	DRDO, New Delhi 64.31 Lakhs = (USD 92, 000) approx	3 years

E. Ph.D. THESIS GUIDANCE

- (i) Genetic diversity of *P. infestans* in Eastern India using phenotypic, molecular and next gen sequencing methods.
- (ii) Survey and molecular characterization of Geminiviruses infecting plants in West Bengal.
- (iii) Genetic diversity of *Phytophthora* spp. on plantation, spice, medicinal, and aromatic crops of West Bengal.
- (iv) Molecular characterization of Sweetpotato (*Ipomoea batatas* L. Lam) cultivars using Simple Sequence Repeat and identification of markers linked to some qualitative traits and virus resistance characters.
- (v) Assessment of microbial diversity in arsenic contaminated soil and characterization of nodule efficient arsenic tolerant microbes.
- (vi) Study of vegetational diversity and microbial rhizosperic associations in landslide affected areas of east Sikkim for assessment and identification of possible mitigative conditions.

F. Ph.D. THESIS ADJUDICATOR

Tripura University (A Central University), etc

G. MEMBERSHIP OF PROFESSIONAL BODIES

- (i) American Phytopathological Society (APS)
- (ii) British Phytopathological Society (BSPP)
- (ii) International Association for the Plant Protection Sciences (IAPPS)
- (iii) International Society for Infectious Diseases (ISID)
- (iv) Indian Mycological Society (IMS)