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Present Address:	**Dr. Prajna Gayen** C/O Dr. H. P. Gayen Probhat Sarani, Bhubandanga Bolpur, Birbhum Pin: 731204 prajnagayen@gmail.com
Teaching experience	**Aug 2018-June 2020, Dept. Of Zoology, Visva-Bharati University** **17th December, 2021, Michael Madhusudan Memorial College** 10.12.2021- till date (Guest faculty in Visva Bharati University)
Major Area of Research Interest	**Molecular parasitology**
Research experience	
Nov 2015-2018:	**DST-SoRF Women Scientist** under the mentor ship of Prof. S.P. Sinha Babu
April 2012 - May 2013:	**DBT-RA** in the laboratory of Dr. Suman Thakur in Center for Cellular & Molecular Biology (CCMB).
April 2010 - 2012:	**Senior Research Fellow (SRF), CSIR** in the Parasitology Laboratory under guidance of Prof. S. P. Sinha Babu (Professor, Dept. of Zoology, Visva Bharati University).
2007-2010:	**University Grants Commission (UGC) funded University fellowship** under the joint supervision of Prof. S.P.Sinha Babu & Dr. Sudipta Maitra (Lecturer, Dept. of Zoology, Visva Bharati University).
2006-2007:	Engaged in the study of epidemiology of bancroftian filariasis under the joint supervision of Prof. S. P. Sinha Babu & Dr. Sudipta Maitra.
Scholarships Obtained :	**DST-SoRF Women Scientist: 09.11. 2015-09.05.2018** **DBT-Research Associateship: 02.07.2012-31.05.2013.** **CSIR- Research Associateship: 12.05.2012-1.07.2012.** **CSIR - Senior Research Fellowship: 01.04.2010 - 31.03.2012.** **UGC funded University fellowship: 17.03.2007-31.03.2010**

Publications

1. **Datta, S., Maitra, S., Gayen, P. and Sinha Babu, S. P. (2007). Absence of symbiotic *Wolbachi*a endobacteria in *Setaria cervi* from Birbhum,West Bengal, India. Current Science 93: 22-23.**

2. Datta, S., Maitra, S., Gayen, P. and Sinha Babu, S. P. (2009). Improved efficacy of tetracycline by acaciasides on *Dirofilaria immitis*. Parasitology Research 105: 697-702.

3. Gayen, P., Maitra, S., Datta, S and Sinha Babu, S. P. (2010). Evidence for *Wolbachia* symbiosis in microfilariae of *Wuchereria bancrofti* from West Bengal, India. J. Biosci. 35:73-77.

4. Nayak, A., Gayen, P., Saini, P., Maitra, S and Sinha Babu S. P. (2011). Albendazole induces apoptosis in adults and microfilariae of *Setaria cervi*. Exp. Parasitol. 128:236-242 (*equally contributed).

5. Saini, P., Gayen, P., Nayak, A.,Kumar, D., Mukherjee, N.,Pal, B.C. and Sinha Babu S. P. (2012). Effect of ferulic acid from Hibiscus mutabilis on filarial parasite *Setaria cervi* : Molecular and biochemical approaches.Par. Int.61:520-531.

6. Nayak, A*., Gayen, P*., Saini, P., Maitra, S and Sinha Babu S. P. (2012). Molecular evidence of curcumin-induced apoptosis in the filarial worm *Setaria cervi*. Par. Res. 111: 1173-1186.

7. Gayen, P., Nayak, A., Saini, P., Maitra, S., Sarkar, P and Sinha Babu, S. P (2013). A placebo-controlled field trial of doxycycline and ABZ in combination for the treatment of bancroftian filariasis in India. Acta Trop.125:150-156.

8. Mukherjee, N., Saini, P., Mukherjee, S., Roy, P., Gayen., P and Sinha Babu, S. P (2014). Ethanolic extract of Azadirachta indica (A. Juss.) causing apoptosis by ROS upregulation in *Dirofilaria immitis* microfilaria. Res. Vet. Sci.

9. Saini, P., Mukherjee, N., Mukherjee, S., Roy, P., Gayen., P., Kumar, D., Pal, B.C. and Sinha Babu, S. P. (2015). *Diospyros perigrena* bark extract induced apoptosis in filarial parasite *Setaria cervi* through generation of reactive oxygen species. Pharma. Biol. DOI: 10.3109/13880209.2014.943244.

10. Mukherjee, S., Mukherjee, N., Saini, P., Gayen, P., Roy, P and Sinha Babu, S. P. (2014). Molecular evidence on the occurrence of co-infection with *Pichia guilliermondii* and *Wuchereria bancrofti* in two filarial endemic districts of India. Infect. Dis. of Pov. 3 (1), 1-11.

11. Saini, P., Gayen, P., Kumar, D., Nayak, A., Mukherjee, N., Mukherjee, S., Pal, B.C. and Sinha Babu S. P. (2014). Antifilarial effect of ursolic acid from Nyctanthes arbortristis: Molecular and biochemical evidences. Parasitology international 63 (5), 717-728.

12. Mukherjee, S., Mukherjee, N., Gayen, P., Roy, P and Sinha Babu, S. P. (2016). Metabolic Inhibitors as antiparasitic drugs: pharmacological, biochemical and molecular perspectives. Current Drug metabolism 17(10), 937-970.

13. Saha, S.K., Roy. P., Mondal, M.K., Roy, D., Gayen, P., Chowdhury, P., and Sinha Babu S. P. (2017). Development of chitosan based gold nanomaterial as an efficient antifilarial agent: A mechanistic approach. Carbohydrate polymer 157, 1666-1676.

14. Roy. P., Saha, S.K., Gayen, P., Chowdhury, P., and Sinha Babu S. P. (2018). Exploration of antifilarial activity of gold nanoparticle against human and bovine filarial parasites: A nanomedicinal mechanistic approach.Colloid and Surfaces B:Biointerfaces 161, 236-243.

Conferences

Paper presented in 21st National Congress of Parasitology, Dept. of Zoology, Panjab University, Chandigar, India and **awarded the best oral presentation**.

Papers presented in 22nd National Congress of Parasitology, Dept. of Zoology, Kalyani University.

Oral Presentation in 23rd National Congress of Parasitology, Anna University, Chennai.

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Examination passed	Board/University	Year of passing	Class/Division	% of marks	Subjects studied
Secondary	WBBSE	1997	First	73.2	Beng., Eng., Math, Phy. Sc., L. Sc., Hist., Geo., Bios (Addl.)
Higher Secondary	WBCHSE	1999	Second	59.4	Beng., Eng., Bios., Chem., Phys., Math.
U.G. Degree	University of Burdwan	2003	First	60.0	Zoology(Hons.), Bot. (P), Chem. (P)
P.G. Degree	Visva -Bharati	2005	First	69.08	Zoology (Spl. Environmental Biology)
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