

Curriculum Vitae

Name : Namita Soni
 Father's Name : Kailash Chand Soni
 Mother's Name : Mohini Soni
 Spouse's Name : Akash Verma
 Broad Subject Area : Life Sciences
 Area of Specialization : Zoology (Nano biotechnology)

 Date of Birth : 12/11/1985
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 Matkota, Sikandra Rao, Hathras-204215, U. P.

Educational Qualifications

S. No.	Degree	Period of Study	Board/University/Institute	Subject	Marks (%)
1.	10th	2000	Board of Secondary Education, Rajasthan	Hindi, English, Math, Science, Social Science, Sanskrit	68.50
2.	12th	2002	Board of Secondary Education, Rajasthan	Hindi Comp., English Comp., Physics, Chemistry, Biology	65.23
3.	B. Sc.	2005	University of Rajasthan	Zoology, Botany, Chemistry	73.33
4.	M. Sc.	2007	Dayalbagh Educational Institute, Agra	Zoology	74.6

5.	Ph. D	2012	Dayalbagh Educational Institute, Agra	Zoology	--
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THESIS TITLE “Study on the efficacy of the selected fungal metabolites in laboratory against mosquito larvae with reference to nanoparticles”

Paper Presented in International/National Conferences

1. 21st National Conference on Parasitology at Panjab University, Chandigarh 14-16 Nov 2009
2. 23rd National Conference on Parasitology to be held at Anna University, Chennai, 18-20 Nov 2011
3. 24th National Conferences on Parasitology to be held at RMRCT, Jabalpur, 27-29 April 2013
4. International Conference on Recent Advances in Biotechnology and Nanobiotechnology (Int-BIONANO-2016) to be held at Amity Institute of Biotechnology, Amity University, Gwalior, 10-12 February 2016
5. International Conference on Frontiers at the Chemistry-Allied Sciences Interface, University of Rajasthan, Jaipur, 25-26 April 2016
6. International Conference on Advances in Plant and Microbial Biotechnology, Jaypee Institute of Information Technology, Noida, 2-4 February 2017
7. National Symposium on Multilateral Initiatives against Arboviral Diseases, Mohanlal Sukhadia University, Udaipur, 4-6 January 2020

Training Programme

1. 3 days Entrepreneurship awareness camp (EAE) at Aryavidhya Peeth P. G. Girls College, Bhusawar, Rajasthan (28/07/2004 to 30/07/2004)
2. 4 weeks training programme in Animal Welfare at National Institute of Animal Welfare (NIAW), Vill. Sikari, Ballabgarh, Haryana (22/05/2006 to 16/06/2006).

Workshop/Seminar

1. Hands on Training cum Capacity Building Workshop for Photosynthesis Assessment Methods and Data Interpretation, Department of Botany, University of Delhi, 09-28 February 2015

Awards

1. Ronald Ross Award-2014 in vector control biotechnology by IASR, USA

Teaching/Research Experience

1. 5 month teaching as Zoology lecturer in Agarsen P. G. Girls College, Hindaun City, Rajasthan (04/10/2007 to 29/02/2008).
2. Project Fellow-UGC-Major Research Project, Dayalbagh Educational Institute, Agra, U. P. (01/12/2011 to 31/01/2014).

Post-Doctoral Experience

1. DST SERB Young Scientist Project (10/10/2014 to 09/01/2018)
Title: Impact of silver nanoparticles on the life cycle of *Spodoptera litura*.

Membership

1. Indian Society for Malaria and Other Communicable Diseases

Present Position

1. Assistant Director, National Centre for Disease Control, New Delhi, Viral Hepatitis Division, Biotechnology (01/04/2019 to 02/04/2022)

Editorial Board Member

1. SM Journal of Nanotechnology and Nanomedicine
2. American Journal of Life Sciences (Science PG)

List of Publications

1. Prakash S, Singh G, **Soni N**, Sharma S. Pathogenicity of *Fusarium oxysporum* against the larvae of *Culex quinquefasciatus* (Say) and *Anopheles stephensi* (Liston) in laboratory. Parasitology Research (2010a), 107: 651-655. IF-2.289, Citations-38
2. **Soni N**, Prakash S. Effect of *Chrysosporium keratinophilum* metabolites against *Culex quinquefasciatus* after chromatographic purification. Parasitology Research 2010b, 107:1329-1336. ISSN: 0932-0113 (print version), ISSN: 1432-1955 (electronic version) IF-2.289, Citations-27
3. **Soni N**, Prakash S. *Aspergillus niger* metabolites against the mosquito larval (*Culex quinquefasciatus*, *Anopheles stephensi* and *Aedes aegypti*) population after column chromatography. American Journal of microbiology 2011a, 2: 15-20. ISSN Print: 1948-982X ISSN Online: 1948-9838, Citations-04
4. **Soni N**, Prakash S. Factors affecting the geometry of silver nanoparticles synthesized in *Chrysosporium tropicum* and *Fusarium oxysporum*. American Journal of Nanotechnology 2011b, 2: 112-121. ISSN Print: 1949-0216, ISSN Online: 1949-0224, Citations-13

5. **Soni N**, Prakash S. Efficacy of fungus mediated silver and gold nanoparticles against *Aedes aegypti* larvae. Parasitology Research 2012a, 110: 175-184. IF-2.289, Citations-155
6. *Soni N*, Prakash S. Synthesis of gold nanoparticles by the fungus *Aspergillus niger* and its efficacy against mosquito larvae. Reports in Parasitology 2012c, 2: 1-7. ISSN: 2230-3162, Citations-79
7. **Soni N**, Prakash S. Larvicidal effect of *Verticillium lecanii* metabolites on *Culex quinquefasciatus* and *Aedes aegypti* larvae. Asian Pacific Journal of Tropical Disease 2012b, 2: 220-224. ISSN: 2222-1808, Citations-13
8. **Soni N**, Prakash S. Fungal-mediated nano silver: an effective adulticide against mosquito. Parasitology Research 2012d, 111:2091–2098. IF-2.289, Citations-37
9. **Soni N**, Prakash S. Entomopathogenic fungus generated nanoparticles for enhancement of efficacy in *Culex quinquefasciatus* and *Anopheles stephensi* larvae. Asian Pacific Journal of Tropical Disease 2012e, S356-S361. Citations-19
10. **Soni N**, Prakash S. Possible mosquito control by silver nanoparticles synthesized by soil fungus (*Aspergillus niger* 2587). Advances in Nanoparticles 2013a, 2: 125-132. ISSN Print: 2169-0510, ISSN Online: 2169-0529, IF-1.62, Citations-52
11. **Soni N**, Prakash S. Silver nanoparticles embedded fungal metabolites against *Culex quinquefasciatus*. Advanced Science Engineering and Medicine 2013b, 5:1-7. ISSN: 2164-6627 (print); EISSN: 2164-6635 (online). Citations-03
12. **Soni N**, Prakash S. Fungus generated novel nanoparticles: A new prospective for mosquito control. International Journal of Recent Scientific Research 2013c, 4: 1481-1487. (ISSN:0976-3031), IF-7.383
13. **Soni N**, Prakash S. Microbial synthesis of spherical nanosilver and nanogold for mosquito control. Annals of Microbiology 2014a, 64:1099–1111. ISSN: 1590-4261 (print version), ISSN: 1869-2044 (electronic version), IF-2.112, Citations-14
14. **Soni N**, Prakash S. Silver nanoparticles: a possibility for malarial and filarial vector control technology. Parasitology Research 2014b, 113:4015–4022. IF-2.289, Citations-36
15. **Soni N**, Prakash S. Green nanoparticles for mosquito control. The Scientific World Journal 2014c, doi.org/10.1155/2014/496362, ISSN: 2356-6140 (Print), ISSN: 1537-744X (Online), IF-2.107, Citations-39

16. **Soni N**, Prakash S. Antimicrobial and mosquitocidal activity of microbial synthesized silver nanoparticles. Parasitology Research 2015a, 114:1023-1030. IF-2.389, Citations-50
17. **Soni N**, Prakash S. Efficacy of insecticide treated nets against mixed population of mosquitoes at Dayalbagh-Agra. Iranian Journal of Public Health 2015b, 44:415-417, pISSN: 2251-6085, eISSN: 2251-6093, IF-1.429, Citations-01
18. **Soni N**, Prakash S. *Fusarium oxysporum f.sp. pisi* against the larvae of major mosquito vectors: A laboratory investigation. International Journal of Pharmacy, 2015c, 5:398-407. ISSN : 2249-1848, IF-3.926
19. **Soni N**, Prakash S. Different geometrical AgNPs for vector control and their added value of antibacterial activity. Journal of Parasitology, Photon, 2015d, 105:232-243. ISJN: 3729-2384, IF-3.56, Citations-02
20. **Soni N**, Prakash S. Combinatorial efficacy of silver nanoparticles against mosquito larvae. SM Journal of Nanotechnology and Nanomedicine. 2015e, 1: 1-8.
21. **Soni N**, Prakash S. Bio-nanoparticles: an ecofriendly approach for mosquito control and antimicrobial. The Journal for Nanotechnology, Photon. 2016, 105: 138-152. ISJN: 5743-8470, IF-5.38
22. **Soni N**, Dhiman RC. Phyto-chemical, antioxidant, larvicidal and antimicrobial activities of Castor (*Ricinus communis*) synthesized silver nanoparticles. Chinese Herbal Medicine. 2017, 9: 289-294. IF-0.691, ISSN:1674-6384, E-ISSN:2589-3610. Citations-19
23. **Soni N**, Dhiman RC. Antimicrobial and anticancer activity of spherical silver nanoparticles synthesized using the aqueous leaf extract of *Ricinus communis* (Castor plant). International Journal of Nanotechnology in Medicine and Engineering. 2019, 4: 11-15. IF-4.19. ISSN-2474-8811.
24. **Soni N**, Dhiman RC. Larvicidal and antibacterial activity of aqueous leaf extract of Peepal (*Ficus religiosa*) synthesized nanoparticles. Parasite Epidemiology and Control. 2020a, 11: 1-13. IF-2.594, Citations-04
25. **Soni N**, Dhiman RC. Larvicidal activity of Zinc oxide and titanium dioxide nanoparticles synthesis using *Cuscuta reflexa* extract against malaria vector (*Anopheles stephensi*). Egyptian Journal of Basic and Applied Sciences. 2020b, 7: 342-352. Citations-04

26. Dhar MS, Marwal R, Radhakrishnan VS, Ponnusamy K, Jolly B, Bhoyar, RC, Sardana V, Naushin S, Rophina M, Mellan TA, Mishra S, Whittaker C, Fatihi S, Datta M, Singh P, Sharma U, Ujjainiya R, Bhatheja N, Divakar MK, Singh MK, Imran M, Senthivel V, Maurya R, Jha N, Mehta P, Vivekanand A, Sharma P, Arvinden VR, Chaudhary U, **Soni N**, Thukral L, Flaxman S, Bhatt S, Pandey R, Dash D, Faruq M, Lall H, Gogia H, Madan P, Kulkari S, Chauhan H, Sengupta S, Kabra S, Gupta RK, Singh SK, Agarwal A, Rakshit P. Genomic characterization and epidemiology of an emerging SARC-CoV-2 variant in Delhi, India. *Science*, 374: 995-999. IF-41.84, Citations-49, ISSN: 0036-8075 (print); 1095-9203 (web)

Date: 06/04/2022

Place: New Delhi

Name: Namita Soni