


## Format for Faculty Details for IGNOU Web site

	Name		<b>NEERA KAPOOR</b>
	Designation		<b>Professor</b>
	Contact Address		<b>Room No. 138, School of Sciences, Indira Gandhi National Open University, Maidan Garhi, New Delhi-110068.</b>
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<b>EDUCATIONAL QUALIFICATIONS</b>			
<b>Degree</b>	<b>Year</b>	<b>Institute/University</b>	
B. Sc. (Hons) Zoology	1984	University of Delhi, Delhi	
M. Sc. (Zoology)	1986	University of Delhi, Delhi	
B. Ed.	1987	University of Delhi, Delhi	
Diploma in Distance Education	1990	IGNOU, Delhi	
Ph. D. (Zoology)	1996	University of Delhi, Delhi	
Master of Arts in Distance Education	2000	IGNOU, Delhi	
<b>CAREER PROFILE</b>			
<b>Teaching Experiences: Above 30 Years (Professor since July, 2006)</b>			
<b>AREA OF INTEREST/SPECIALIZATION</b>			
MEDICAL ENTOMOLOGY, APPLIED ENTOMOLOGY, AGRICULTURAL ENTOMOLOGY, APPLIED MICROBIOLOGY			
<b>ROLE AND RESPONSIBILITIES AT IGNOU</b>			
<ul style="list-style-type: none"> <li>➤ Design, Development and Coordination work of programmes at Certificate, Diploma. Post Graduate Diploma, Graduate, Post Graduate and Ph. D. level</li> <li>➤ Evaluation of Academic Programmes and Courses</li> <li>➤ Maintenance of Programmes and Courses ∅ Development of Audio/Video programmes as part of Learning Materials besides the Self Learning Material in print</li> <li>➤ Participation in the live educational programmes through EDUSAT</li> <li>➤ Participation in the Interactive Radio Counselling through <i>Gyan Darshan</i></li> </ul>			

**RESEARCH GUIDANCE**

<b>S.No.</b>	<b>Name and enrolment no.</b>	<b>Year of registration</b>	<b>Year of completion</b>
1.	Ripu Daman Sood Enrl. 093575671	January, 2009	2013
2.	Pratibha Prashar Enrl. 100165549	January, 2010	2012
3.	Suman Kashyap Enrl. 112247172	January, 2011	2016
4.	Raja Babu Singh Kushwah Enrl. 122877783	January, 2012	2017
5.	Anushrita Enrl. 131637546	January, 2013	2017
6.	Nasreen Akhtar Enrl. 131637553	January, 2013	2017
7.	Shakeel Ahmed Enrl. 122877823	January, 2012	2019
8.	Nisha Enrl. 131637560	January, 2013	2019
9.	Vasu Arora Enrl. 131637499	January, 2013	Thesis Submitted in December, 2018
10.	Baljinder Kaur Sandhu Enrl. 122877790	January, 2012	Thesis to be submitted in August, 2019
11.	Gurmeet Singh Malhotra Enrl. 131637110	January, 2013	Thesis to be submitted in August, 2019
12.	Preeti Chaudhary Enrl. 173101965	January, 2017	Work in Progress
13.	Shweta Singh Enrl. 173101940	January, 2017	Work in Progress
14.	Rohit Sagar Enrl. 173101933	January, 2017	Work in Progress
15.	Gunjan Sharma Enrl. 173101893	January, 2017	Work in Progress
16.	Taranjeet Kaur Enrl. 173101901	January, 2017	Work in Progress
17.	G. Lakshmi Enrl. 188500729	January, 2018	Work in Progress
18.	N. Veena Rani Enrl. 188500750	January, 2018	Work in Progress
19.	Tosif Nagori Enrl. 188500743	January, 2018	Work in Progress

**RESEARCH PUBLICATIONS (PUBLICATIONS IN NATIONAL AND INTERNATIONAL JOURNALS)**

- i) Vasu Arora, **Neera Kapoor**, Samar Fatma, Sarika Jaiswal, Mir Asif Iquebal, Anil Rai, Dinesh Kumar. BanSatDB, a whole-genome-based database of putative and experimentally validated microsatellite markers of three *Musa* species. *The Crop Journal*. 6 (2018) 642-650.
- ii) Sogan, N, **Kapoor, N**, Singh H, Kala, S, B.N Nagpal 2018. Larvicidal activity of *Ricinus communis* extract against mosquitoes. *Journal of Vector Borne Disease*, 50: 160-172.
- iii) Sogan, N., **Kapoor, N.**, Kala, S., Patanjali, P.K., Nagpal, B.N., Vikram, K. and Valecha, N., 2018. Larvicidal activity of castor oil Nanoemulsion against malaria vector *Anopheles culicifacies*. *Int J Mosq Res* 5(3):01-06.
- iv) Vasu Arora, **Neera Kapoor**, Samar Fatma, Sarika Jaiswal, Mir Asif Iquebal, Anil Rai, Dinesh Kumar. *Musa* Information Resources: Biodiversity, disease and pest management database. *Asian Journal of Biological and Life Sciences*, 2017.
- v) Shakeel Ahmad, **Neera Kapoor**, Anil Dhar, M.A. Khan and Mudasir Gani. Sericulture Technologies – Need for Adoption to Achieve Higher Production in Jammu & Kashmir, India. *An International Quarterly Journal of Life Sciences*, 2017.
- vi) Suman Kashyap, **Neera Kapoor**, Radha D. Kale: *Coscinium fenestratum*: Callus and Suspension Cell Culture of the Endangered Medicinal Plant Using Vermicompost extract and Coelomic Fluid as Plant Tissue Culture Media. *American Journal of Plant Science*, 2016.
- vii) Suman Kashyap, **Neera Kapoor**, Radha D. Kale: Callus Induction and Tissue Differentiation of *Tinospora cordifolia* on Using Vermicompost and its Extracts along with Coelomic Fluid as Tissue Culture Media. *Horizon Journal of Micro. Biotech. Research*, 2015.
- viii) Suman Kashyap, **Neera Kapoor**, Radha D. Kale: *In vitro* tissue culture of *Catharanthus roseus* using Vermicompost extract and Coelomic fluid-an innovative and novel approach. *International Journal of Current Research*, 2015.
- ix) Suman Kashyap, **Neera Kapoor**, Radha D. Kale. Effect of Vermicompost extracts on the *in vitro* micropropagation of *Bacopa monnieri*. *International Journal of Green Pharmacy*, 2015.
- x) Raja Babu S. Kushwah, P.K. Mallick, H. Ravikumar, V. Dev, **Neera Kapoor**, T. Adak, O.P. Singh: Status of DDT and pyrethroid resistance in India *Aedes albopictus* and absence of knockdown resistance (*kdr*) mutation. *J Vector Borne Dis* 52, PP. 95-98, March 2015.
- xi) Raja Babu S. Kushwah, Cherry L. Dykes, **Neera Kapoor**, Tridibes Adak, Om P. Singh: Pyrethroid-Resistance and Presence of Two Knockdown Resistance (*kdr*) Mutations, F1534C and a Novel Mutation T1520I, in Indian *Aedes aegypti*. *PLOS Neglected Tropical Diseases*, Vol-9; Issue-1, January 2015.
- xii) Anushrita Singh, **Neera Kapoor**, B.N. Nagpal, Aruna Srivastava, Rekha Saxena: “Health Impact Assessment- A Retrospective Study for a Prospective Approach in Madhya Pradesh, India”. *Austin Journal of Infectious Diseases*, USA Vol-1, Issue-3-2014, Published- November, 2014.
- xiii) Ripu Daman Sood, **Neera Kapoor**, P.K. Mittal (2014). A comparative study on bio-efficacy and wash resistance of five long lasting insecticidal mosquito nets against malaria vector *Anopheles culicifacies*. *International Journal of Mosquito Research* 2014; 1 (1): 14-19.
- xiv) Pratibha Prashar, Neera Kapoor, Sarita Sachdeva 2014. Plant Growth Promoting Activities of Rhizobacteria Associated with Tomato in Semi-Arid Region. *Advances in Life Sciences and Health*

1(1):43-54.

- xv) Pratibha Prashar, **Neera Kapoor**, Sarita Sachdeva 2014. Rhizosphere: its structure, bacterial diversity and significance. *Reviews in Environmental Science and Biotechnology*, 13(1):63-77.
- xvi) Pratibha Prashar, **Neera Kapoor**, Sarita Sachdeva 2013 Isolation and characterization of *Bacillus sp* with *in-vitro* antagonistic activity against *Fusarium oxysporum* from rhizosphere of tomato. *Journal of Agriculture Science and Technology*, 15: 1501-1512.
- xvii) Suman Kashyap, **Neera Kapoor**, Radha D. Kale: Effect of Vermicompost on Regeneration of Medical Plant *Bacopa monnieri* (Linn). *International Journal of Science and Research Vol-2; Issue-3, March 2013*.
- xviii) Pratibha Prashar, **Neera Kapoor**, Sarita Sachdeva 2013. Biocontrol of Plant Pathogens Using Plant Growth Promoting Rhizobacteria. *Sustainable Agriculture Reviews*, 12: 319-360.
- xix) Pratibha Prashar, **Neera Kapoor**, Sarita Sachdeva 2012. Role of plant growth promoting rhizobacteria in sustainable agriculture. *International Journal of Engineering Sciences*, pp 99-103.
- xx) Pratibha Prashar, **Neera Kapoor**, Sarita Sachdeva 2012. Structural and functional diversity of Rhizobacteria of Pearl Millet in Semi-arid Agroclimatic Zone. *Asian Journal of Plant Science and Research*, 2(5): 599-606.
- xxi) Ripu Daman Sood, **Neera Kapoor**, P.K. Mittal, R.K. Razdan, A.P. Dash 2012. Field evaluation of Icon® Life, a long-lasting insecticidal net (LLIN) against *Anopheles culicifacies* and transmission of malaria in district Gautam Budh Nagar (Uttar Pradesh), India. *Journal of Vector Borne Diseases*, 49: 181-187.
- xxii) Ripu Daman Sood, P. K. Mittal, **Neera Kapoor**, R. K. Razdan, and A. P. Dash 2011. Wash resistance and efficacy of Olyset® net and Permanet® 2.0 against *Anopheles stephensi* in India. *Journal of the American Mosquito Control Association*, 27 (4): 423-428.
- xxiii) Ripu Daman Sood, P.K. Mittal, **Neera Kapoor**, R.K. Razdan, V.K. Dua & A.P. Dash, 2010, Community awareness, perceptions, acceptability and preferences for using LLIN against malaria in villages of Uttar Pradesh, India. *Journal of Vector Borne Diseases*. 47 (4): 243–248.
- xxiv) **Neera Kapoor**, 2009. The effect of washing on insecticide impregnated cotton fabrics against vector species of mosquitoes under laboratory conditions. *Giornale Italiano Di Medicina Tropicale*, Vol 14, N.1-4 Pg 7–11.
- xxv) **Neera Kapoor**. Role of Science Education in Human Resource Development A case study of IGNOU. *Malaysian Journal of Distance Education*, (2007); 8 (2), pp. 31-35.
- xxvi) **Kapoor N**. Evaluation of effect of sunlight on insecticide impregnated fabrics against vector species of mosquitoes under laboratory conditions. *Shashpa* 2006; 13 (1): 46-49.
- xxvii) **Kapoor N**, M.A. Ansari. Laboratory evaluation of synthetic pyrethroid treated cotton fabric against mosquitoes and other domestic pests. *The Journal of Tropical Medicine and Parasitology*, 2003; 26:20-5.
- xxviii) Ansari M.A., R.K. Razdan, U. Sreehari, **Neera Kapoor**. Demonstration of malaria control by the use of deltamethrin treated curtains in NTPC, Dadri, Gautam Budh Nagar, (U.P.) India. *Tribal Health Bulletin* 2003; Vol.9 (1&2) 52-60.
- xxix) **Kapoor N.**, M. A. Ansari. Laboratory Evaluation of etofenprox treated fabrics against vector species of mosquitoes. *International Pest Control* 2002; 301-303.
- xxx) Ansari M.A., **Neera Kapoor** and V.P. Sharma. Relative efficacy of synthetic pyrethroid

fabrics against mosquitoes under laboratory conditions. *Journal of American Mosquito Control Association* 1998; 14 (4): 406-409.

- xxxii) Baljinder K. Sandhu, Sakshi, Hari Shankar, Naseem Ahmed, Roma Rana, M.K. Das, Sagya Singh, Sartha Das, Savitri Tiwari, Neera Kapoor and Neelima Mishra. Screening of Antimalarial Medicines Quality across Selected Sites in India. *International Journal of Research in Engineering, Science and Management* 2019; Volume-2, Issue-2: 2581-5792.

### Patent Filed

Patent Filed via application number, 201711028190. Sogan, N, **Kapoor, N**, Nagpal , B.N, Valecha, N. (2017). Coil formulation from castor seed cake.

### CONFERENCES/SEMINARS/WORKSHOPS ORGANISED/PARTICIPATED

- Organised World Malaria Day on 25<sup>th</sup> April, 2019 in collaboration with SDMC

#### Co-Chair / Chair (Last six years)

- i) Chaired a session in “Climate change and Vector Borne Diseases in India” in National Conference on VECTOPAT 17-18<sup>th</sup> December, 2018, Udaipur.
- ii) Co- Chaired a session in “Molecular study of Dengue and Chikungunya viruses isolated from Mosquito Vector and Clinical samples” in XI National Conference of Medical Arthropodology, Oct. 26-27<sup>th</sup>, 2018, Dehradun.
- iii) Chaired a session in ‘3<sup>rd</sup> International Conference on Nutraceuticals and Chronic Diseases’ on September 14-16, 2018, Dehradun.
- iv) Chaired a session in ICAHD 2017 held in collaboration with IGNOU and IIT Guwahati at IIT, Guwahati from 8<sup>th</sup> and 9<sup>th</sup> September, 2017.
- v) Chaired a session in “XXVI International Bioacoustics Congress, Haridwar, India” organized by Department of Zoology and Environmental Science Gurukula Kangri Vishwavidyalaya, Haridwar held from 8<sup>th</sup> to 13<sup>th</sup> October, 2017.
- vi) Chaired a session in National Conference on “Climate Change and Natural Resources” in University of Delhi: March 14-15, 2016.
- vii) Chaired a session in National Conference on “Energy and Environmental Engineering” 26-27<sup>th</sup> April, 2014 MIT, Bikaner.
- viii) Chaired a session in International Conference on “Global warming and Biodiversity”. 4-6 February, 2013, Maharaja Agrasen College, Ganganagar.
- ix) Chaired a session in International Conference on Climate change vis-à-vis Bio-diversity. 2-4 December, 2012, Rohilkhand University, Bareilly.
- x) Chaired a session in International conference on “Environment and Human Health”. 28-29 November, 2012, Indian National Science Academy, New Delhi, India.

#### Key Note Speaker/Invited Lectures (Last six years)

- “Parasites, Predators and Microbial agents in IPM” in UCOST, Vigyan Dham, 7-9<sup>th</sup> March, 2018, Dehradun.
- “Climate change and Vector Borne Diseases in India” in National Conference on VECTOPAT 17-

18<sup>th</sup> December, 2018, Udaipur.

- “Molecular study of Dengue and Chikungunya viruses isolated from Mosquito Vector and Clinical samples” in XI National Conference of Medical Arthropodology, Oct. 26-27<sup>th</sup>, 2018, Dehradun.
- “Impact of ecological changes on the malaria vectors in north-eastern states of India” in National Conference on “Bio-degradation of Wildlife, Environment and Biodiversity (B-WEB-2017)” (19<sup>th</sup> & 20<sup>th</sup> March, 2017) Organized by, Department of Zoology, Gandhi Faiz-e-Aam College, Shahjahanpur.
- “Biological control in reducing mosquito population: Inter mosquito-trematode larval antagonism” in XII Joint Annual Conference of ISMOCD & IAE Innovate, Empower, Share” in ISMOCD 2017 from 1<sup>st</sup> to 3<sup>rd</sup> September, 2017.
- “IPM – A way to sustainable Agriculture” in ICAHD 2017 held in collaboration with IGNOU and IIT Guwahati at IIT Guwahati from 8<sup>th</sup> to 9<sup>th</sup> September, 2017.
- “LLINS – A Vector Control approach” in International Conference SAARC ECUBE 17” at Udaipur from 9<sup>th</sup> to 11<sup>th</sup> January, 2017.
- “Studies on knockdown resistance (kdr) mutations in *Aedes aegypti* and *Aedes albopictus* in India” in International Conference on Entomology, Punjabi University, Patiala, December 3-5, 2016.
- “Biotechnology for Sustainable Development” in Maharshi Daayanand College, Sri Ganganagar, December, 23-24, 2016.
- “Climate Change and Vector borne Diseases” in National Conference on Climate Change and Sustainable Development in Delhi University March 12-13, 2016.
- “Green Technologies in Vector Control” in National Seminar on Energy and Environment in PCE, Jaipur, 10-12<sup>th</sup> April, 2014.
- “Study of Insecticide susceptibility status of *Aedes aegypti* in India” in International Conference on Vector and Vector-borne diseases 16-18 September, 2013, Udaipur, India.
- “IPM Technologies and Resource Management” in International Training Workshop for Agricultural officers 23-30 October, 2013, IARI, Pusa, India.
- “Climate Change and Pest Dynamics” in National Seminar on Climate Change Vis-à-vis Nature, INSA, 9-10<sup>th</sup> December, 2013, New Delhi, India.
- “Innovative Vector Control Technologies” in International Conference on Recent Trends in Research in Zoology, 12-14 April, 2012, Jiwaji University Gwalior, India.
- “Climate change and Shifting Trend of Vector Borne Diseases in World” in International conference on Environment and Human Health. 28-29 November, 2012, Indian National Science Academy, New Delhi, India.
- “Recent Sericulture Technologies in Jammu and Kashmir” in International Conference on Climate change vis-a-vis Biodiversity 2-4 December, 2012, Rohilkhand University Bareilly, India.

**Papers Presented: (Selected few)**

- i) Presented paper on “Assessment and Perception of Community users and Bioefficacy of permethrin incorporated Olyset TM Nets (LLIN) distributed 5 years before in India”. Ripu Daman Sood, Neera Kapoor, P.K. Mittal. XXIV International Conference of Entomology, 19-25 August, 2012, DAEGU, SOUTH KOREA.
- ii) Presented a paper on “Laboratory Evaluation of effect of sunlight on insecticide impregnated

curtains against vector species of mosquitoes. Ripu Daman Sood, Neera Kapoor, P.K. Mittal. XXIV International Conference of Entomology, July 6-12, 2008 Durban.

- iii) Presented paper on “Role of Biopesticides in era of IPM” in 101<sup>st</sup> Indian Science Congress, University of Jammu, Jammu 3-7 February, 2014

**RESOURCE PERSON IN WORKSHOPS/TRAINING/ORIENTATION PROGRAMMES (For last 5 years)**

- (i) Resource Person for Orientation Programmes of IGNOU Counsellors and Study Centre Coordinators in Delhi and other parts of Country conducted time to time.
- (ii) Resource Person for Reviewing the Glossary of Environment Sciences, Cell Biology and other areas of Life Sciences by Commission for Scientific and Technical Terminology, MHRD as and when asked for.
- (iii) Resource Person for preparation, moderation and translation of question papers of Union Public Service Commission and Staff Selection Commission every year.
- (iv) Resource Person for training programme for farmers in aquaculture practices in Aizawl under North-East Sciences Research Promotion Scheme of IGNOU in 2009.
- (v) Resource Person for training programme for farmers in aquaculture practices in Agartala under North-East Sciences Research Promotion Scheme of IGNOU 2009.
- (vi) Resource Person for training programme for farmers in Sericulture practices in Guwahati under North-East Sciences Research Promotion Scheme of IGNOU in 2010.
- (vii) Delivered two lectures on ‘Research Methodology’ and “Sciences Teaching by Project Method” to Research and Teaching Assistants of IGNOU of North-East Region in 2010.
- (viii) Resource person for “Teaching Methodologies for differently abled school children” for TGTs, PGTs and Heads of Govt. Schools of South Delhi region conducted by SCERT in 2014.
- (ix) Resource person for “Innovative ways of Science Teaching” for Teacher trainees of DIETs of South Delhi region conducted by SCERT in 2014.
- (x) Resource person for Secondary and Senior Secondary School Teachers in Training Workshops organised by DPEP-SSA (A project of MHRD in collaboration with IGNOU) in different parts of India.

**HONOURS/AWARDS/DISTINCTIONS**

Honour / Award / Fellowship name	Agency name / Name of statutory body / institution / Apex body	Period
NTSE Scholarship	NCERT	1980-1986
Recognition award (Medical Entomology)	D.AV. (P.G.) College, Dehradun (Uttarakhand)	October, 2018
Special Award for Hindi article	Central Hindi Directorate, MHRD	2012

**PROFESSIONAL ASSOCIATIONS**

(A) Member of Societies		
1.	Entomological Society of India	Annual Member

2.	Society of Pesticide Science, India	Life Member
3.	CASTME-Asia	Life Member
4.	Vector-Borne Diseases Forum	Life Member
5.	Society of Medical Arthropodology	Life Member
6.	Society of Vector Ecology	Life Member
7.	Indian Science Congress	Life Member
<p><b>(B) Member of Review Committee of Journals</b></p> <ul style="list-style-type: none"> <li>• Indian Journal of Entomology</li> <li>• Brazilian Journal of Microbiology</li> <li>• African Journal of Microbiology</li> <li>• Acta Ecologica</li> <li>• Acta Tropica</li> </ul>		
<p><b>(C) Editor: Managing Editor of Journal of Medical Arthropodology</b></p>		