




## Faculty Details



Title	Mr.	First Name	<b>Ravinder</b>	Last Name	<b>Kumar Sagar</b>	Photograph
Designation	<b>Associate Professor since 7<sup>th</sup> May 2020, Academic Level 13A</b>					
Address	<b>Acharya Narendra Dev College, Govindpuri, Kalkaji, New Delhi-110019</b>					
Phone No Office	<b>011-26294541</b>					
Email/ Web-Page	<b>ravindersagar@andc.du.ac.in</b>					
<b>Educational Qualifications</b>						
Degree	Institution				Year	
<b>Masters in Zoology</b>	<b>Annamalai University</b>				<b>2002</b>	
<b>B.Sc. General (B)</b>	<b>Deen Dayal Upadhyay College</b>				<b>1998</b>	
<b>NET (JRF) Qualified</b>	<b>UGC-CSIR 2002</b>				<b>UGC-CSIR 2002</b>	
<b>Career Profile</b>						
<ol style="list-style-type: none"><li>1. Worked as Senior Technical Assistant 'B' in DRDO (INMAS) for 5 Years 10 Months from 15<sup>th</sup> September 1999 to 15<sup>th</sup> July 2005.</li><li>2. Worked as an Assistant Professor from 16<sup>th</sup> July 2005 to 15<sup>th</sup> July 2011.</li><li>3. Worked as an Assistant Professor (Senior Scale) from 16<sup>th</sup> July 2011 to 15<sup>th</sup> July 2016.</li><li>4. Worked as an Assistant Professor (Selection Grade) from 16<sup>th</sup> July 2016 to 6<sup>th</sup> May 2020.</li><li>5. Working as an Associate Professor from 7<sup>th</sup> May 2020 to till date.</li></ol>						
<b>Administrative Assignments</b>						
<ol style="list-style-type: none"><li>1. Teacher-in-Charge, CCL taken by Prof. Seema Makhija (16<sup>th</sup> Janury-14<sup>th</sup> April 2023)</li><li>2. Co-opted Member of Annual Cultural Fest "Leothrix 2023".</li><li>3. IGNOU Coordinator (LSC 07191) since June 2021</li><li>4. Teacher-in-Charge (2012-2014)</li><li>5. Convener, Admissions (2014, 2015)</li><li>6. Convener, Help Desk Committee (May 2011)</li><li>7. Convener SC/ST Help Desk (July 2017 and 2018)</li><li>8. Convener, ECA Committee (2016, 2017)</li></ol>						

9. Convener, Examination Committee (2018-2020)
10. Convener Sports Committee (2020-22)
11. Liaison Officer (1-10-2016 to 31-03-2019)
12. SC/ST/OBC Observer (2014-2016)
13. Coordinator, IGNOU, Learning Support Centre since June 2021
14. Teacher-in-Charge (16<sup>th</sup> January 2023 to 14<sup>th</sup> April 2023), in place of Prof. Seema Makhija (CCL)
15. Member, Garden Committee (2020-22, 2022-24)
16. Member, Examination Committee (2008-2010, 2016-2018)
17. Member, Sports Committee (2010-2012, 2014-2016, 2016-2018, 2018-2020, 2022-24)
18. Member, New College Building,
19. Member, Internal Quality Assurance Committee (IQAC) NAAC (2015, 2016)
20. Member, SPICMACAY (2008-2010, 2010-2012)
21. Member Debating Society (2008-2010)
22. Member, Environment Society (2010-2012)
23. Member, Child Care Committee (2012-2014)
24. Member, Cultural Committee (2014-2016, Leothrix 2023)
25. Member, Proctorial Committee (2006-2008)
26. Member, Help Desk Admissions (2010)
27. Member, Web Development Committee (2006-2008)
28. Member, Stock Verification Committee (2008, 2009, 2010, 2011, 2012, 2014)
29. Convener, SC/ST Grievance Committee (1-10-2016 to 31-03-2019)
30. Election Officer (2010, 2016)

#### **Excursions/Visits**

1. Visit to Delhi National Zoological Park, New Delhi in 2006 with Physical science Foundation course Ist batch.
2. Excursion to Shimla, Manali with Prof. Seema Makhija in 2007.
3. Excursion to Dalhousie, Dharamshala, Khajjiar with Dr. Monica Misra.
4. Visit to Bajaj Poultry Farm, Gurgaon (2012)
5. Excursion to Udaipur and Mount Abu (2013)

6. Visit to Yamuna Biodiversity Park (2013)
7. Excursion to Sariska Wildlife Sanctuary for 3 days in 2015.
8. Excursion to Jaisalmer (12th March to 14th March 2016)
9. Visit to Aravali Biodiversity Park, Gurgaon, Haryana on 13th October 2017
10. Excursion to Ranthambhore, Rajasthan, for Zoology (H) 1<sup>st</sup> Sem., 5<sup>th</sup> Sem. from 26<sup>th</sup> October- 29<sup>th</sup> October 2018.
11. Conducted an excursion to National Zoological Park, New Delhi, Zoology (H) 5th Semester (Animal Behaviour & Chronobiology Lab on 29th September 2022 along with Aparna, Sweety, Abhay, Neel Gagan & Harshal.

**Syllabus/Content Development:**

1. **Convener, Syllabus drafting Committee** as per UGCF 2022 based on NEP 2020 guidelines for B.Sc. Life Science, 1<sup>st</sup> Semester-**Animal Diversity**
2. **Member, Syllabus drafting Committee** as per UGCF 2022 based on NEP 2020 guidelines for B.Sc. (H) Zoology, 4<sup>th</sup> Semester- **Human Physiology II**

**Areas of Interest / Specialization**

1. Physiology
2. Radiation Biology

**Subjects Taught**

1. Human Physiology
2. Entomology
3. Biological Diversity (Non-chordate, Chordate)
4. Biochemistry
5. Zoogeography
6. Organic Evolution
7. Applied Zoology
8. Insect Vector & Diseases

**Lectures Delivered:**

1. Delivered a lecture on the topic '**Osmoregulation**' in March'08 on Television (Gyan Darshan II) for the under-graduate students of distance learning course in Life Sciences

of **Indira Gandhi National Open University (IGNOU)**

2. Delivered a lecture on the topic ‘**Temperature relation in animals**’ in Sept’08 on Television (Gyan Darshan II) for the under-graduate students of distance learning course in Life Sciences of **Indira Gandhi National Open University (IGNOU)**

Research Guidance

1. “*Study of regeneration of anterior segments in the earthworm Eiseniafetida*” by Harshita, B.Sc. (H) Biomedical Sciences, Sem IV; Dipshi Aggarwal, B.Sc. (H) Biomedical Sciences Sem IV; Harmanpreet Kaur, B.Sc. (H) Biomedical Sciences, Sem IV; Deepak Sahni, B.Sc. (H) Biomedical Sciences, Sem. IV under **Mr. Ravinder Kumar Sagar and Dr. Sarita Kumar** (2017-2018) under ELITE Scheme.
2. “*Natural history of butterfly diversity at ANDC*” by Subham Mohanty; B.Sc. (H) Zoology, Sem.–II under **Mr. Ravinder Kumar Sagar and Dr. Sarita Kumar** (2018-2019) under ELITE Scheme.
3. “*To understand the mechanism of learning and memory formation in Achatina fulica*” by Manisha; B.Sc. (H) Zoology, Sem –II; Shipra Yadav, B.Sc. (H) Biomedical Sciences, Sem-II under **Mr. Ravinder Kumar Sagar and Dr. Sarita Kumar** (2018-2019) under ELITE Scheme.

Publications Profile

1. Sarita Kumar, Aarti Sharma, Roopa Rani Samal, Manoj Kumar, Vaishali Verma, **Ravinder Kumar Sagar**, Shri Pati Singh and Kamaraju Raghavendra “Laboratory evaluation of the efficacy of deltamethrin-laced attractive toxic sugar bait formulation on *Anopheles stephensi*” **Malaria Journal**, (2023) 22:92 <https://doi.org/10.1186/s12936-023-04524-3>.
2. Sarita Kumar, Aarti Sharma, Roopa Rani Samal, Manoj Kumar, Vaishali Verma, **Ravinder Kumar Sagar**, Sri Pati Singh and Kamaraju Raghavendra, “*Attractive Sugar Bait Formulation for Development of Attractive Toxic Sugar Bait for Control of Aedes aegypti (Linnaeus)*”, **Journal of Tropical Medicine**, Volume 2022, Article id: 2977454, 10 Pages, doi.org: 0.1155/2022/2977454 (accepted 26th May 2022), Published 18th June **2022**, ISSN No. 1687-9686.

3. M. Lata, J. Prasad, S. Singh, R. Kumar, L. Singh, P. Chaudhary, R. Arora, R. Chawla, S. Tyagi, N.L. Soni, **R.K. Sagar**, M. Devi, R.K. Sharma, S.C. Puri and R.P. Tripathi, “Whole body protection against lethal ionizing radiation in mice by REC-2001: A semi-purified fraction of *Podophyllum hexandrum*”. **Phytomedicine**, volume 16, Issue 1, **January 2009**, pages 47-55: ISSN 0944-7113.
4. Arora R, Shikha Singh, **Sagar RK**, Chawla R, Kumar R, Puri SC, Surender S, Prasad J, Gupta ML, Krishna B, Siddiqui MS, Sharma AK, Tripathi RP, Qazi GN, Sharma RK. **2008**. “Radiomodulatory and free radical scavenging activity of the fractionated aquo-alcoholic extract of the adaptogenic nutraceutical (*Rhodiola imbricata*) – A comparative *in vitro* assessment with ascorbate”. **Journal Of Dietary Supplements**, Volume 5, Issue 2, **October 2008** , pages 147 – 163: ISSN 1939-0211.
5. Raman Chawla, Rajesh Arora, Shikha Singh, **Ravinder K. Sagar**, ***Rakesh Kumar Sharma***, Raj Kumar, Ashok Sharma, Manju L. Gupta, Surender Singh, Jagdish Prasad, Haider A. Khan, Anand Swaroopa, A.K. Sinha, AK Gupta, Rajender P. Tripathi and PS Ahuja, **2007**. “Radioprotective and antioxidant activity of fractionated extracts of berries of *Hippophae rhamnoides*”. **J. Medicinal Food 10 (1): 101-109: ISSN 1096-620X**.
6. Rajesh Arora, **Ravinder Sagar**, Shikha Singh, Raj Kumar, AK Sharma, Jagdish Prasad, Surender Singh, ML Gupta, Rakesh Kumar Sharma, Satish Chandra Puri, Bal Krishan, MS Siddiqui, SS Lahiri, RP Tripathi and GN Qazi, **2007**. “. Cytoprotective effect of *Podophyllum hexandrum* against gamma radiation is mediated *via* hemopoietic system stimulation and up-regulation of Heme-oxygenase-1 (HO-1) and the pro-survival multidomain protein Bcl-2.” **Integrative Cancer Therapies 6(1): 54-65: ISSN 1534-7354**.
7. S Singh , R Ahmed , **R K Sagar** , B Krishana, **2006**. Neuroprotection of the nigrostriatal dopaminergic neurons by melatonin in hemiparkinsonium rat. **Indian J Med Res. 124 (4): 419-26: ISSN 0971-5916**.
8. Shalini Singh, Riyaz Ahmad, Deepti, **Ravinder Kumar Sagar**, **2006**. Neuroprotective effect of BDNF in young and aged 6-OHDA treated Rat model of Parkinson’s Disease. **Indian Journal of Exp. Biol., 44: 699-704: ISSN 0019-5189**.
9. Raman Chawla, Rajesh Arora, Shikha Singh, **R. K. Sagar**, ***Rakesh Kumar Sharma***, R.

- Kumar, A. Sharma, RP Tripathi, S. C. Puri, H. A. Khan, A.S. Shawl, P. Sultan, Tej Krishan, and G.N. Qazi. Advance Access published June 21, 2006. *Podophyllum hexandrum* offers Radioprotection by Modulating Free Radical Flux: Role of Aryl-Tetralin Lignans. **Evidence Based Complementary and Alternative Medicine (e-CAM 2006; Page 1 of 9, doi:10.1093/e-cam/nel037; ECAM-06-0020): ISSN 1741-427X.**
10. Satish Chandra Puri, Asiya Nazir, Raman Chawla, Rajesh Arora, S. Riyaz-ul-Hasan, Touseef Amnaa, Bilal Ahmed, Vijeshwar Verma, Shikha Singh, **Ravinder Sagar**, Ashok Sharma, Raj Kumar, Rakesh Kumar Sharma and Ghulam Nabi Qazi, 2006” The endophytic fungus *Trametes hirsuta* as a novel alternative source of podophyllotoxin and related aryl tetralin lignans” **Journal of Biotechnology, 122: 494-510: ISSN 0168-1656.**
11. **Sagar RK**, Chawla R, Arora R, Singh S, Puri SC, Krishna B, Singh P, Kumar R, Sharma AK, Singh S, Prasad J, Gupta V, Ahmed B, Dhar KL, Khan HA, Sharma RK, Qazi GN. 2006, Protection of hematopoietic system against gamma-radiation induced damage by *Podophyllum hexandrum*. **Planta Medica, 72: 114-120: ISSN 0032-0943.**
12. Arora R, Chawla R, Puri S.C., **Sagar R**, Singh S, Kumar R, Sharma A. K., Prasad J, Singh S, Kaur G, Chaudhary P, Quazi G. N., Sharma R.K. 2005 Radioprotective and Antioxidant Properties of Low Altitude *Podophyllum hexandrum* (LAPH). **Journal of Environmental Pathology Toxicology and Oncology. 24(4): 253-269: ISSN 0731-8898.**
13. R. Ahmad, S. Singh, R.K. Sagar and B. Krishana. 2005, Neuroprotective effect of the FGF in young and aged rat model of Parkinson’s disease. **Biomedicine 25(2): 48-57.**
14. Chawla Raman, Arora R, **Sagar RK**, Singh S, Puri SC, Kumar R, Singh S, Sharma AK, Prasad J, Khan HA, Sharma RK, Nazir A, Dhar KL, Spittler M and Qazi GN 2005, 3-O-β-D- galactopyranoside of quercetin as an active principle from high-altitude *Podophyllum hexandrum* and evaluation of its radioprotective properties. **Z. Naturforschung 60c: 728-738: ISSN 0939-5075.**
15. Arora R, Gupta D, Chawla R, J Prasad, S Singh, AK Sharma, R Kumar, **RK Sagar**, N Samanta, RK Sharma 2005, Radioprotection by Plant Products: Present Status and Future Prospects. **Phytotherapy Research 19: 1-22: ISSN 0951-418X.**
16. Rajesh Arora, Raman Chawla, **Ravinder Sagar**, Jagdish Prasad, Surender Singh, Raj Kumar, Ashok Sharma, Shikha Singh and Rakesh Kumar Sharma 2005 Evaluation of

radioprotective activities of *Rhodiola imbricata* Edgew- A high altitude plant **Molecular and Cellular Biochemistry 273: 209-223: ISSN 0300-8177.**

17. Chawla R, Rajesh Arora, R. Kumar, A. Sharma, J. Prasad, S. Singh, **R. Sagar**, P Chaudhary, S Shukla, G. Kaur, R.K. Sharma, S.C. Puri, G. Handa, V.K. Gupta, G. N. Qazi, **2005** Antioxidant activities of fractionated extracts of High Altitude Podophyllum hexandrum in Radiation Protection. **Molecular and Cellular Biochemistry. 273: 193-208: ISSN 0300-8177.**
18. Harish Chandra GOEL\*Jagdish PRASAD, Surender SINGH, **Ravinder Kumar SAGAR**, Paban Kumar AGRAWALA, Arun Kumar SINHA# Ruchi DOGRA#. **2004** Radioprotective Potential of an Herbal Extract of *Tinospora cordifolia*. **J. Radiat. Res., 45: 61-68: ISSN 0449-3060.**
19. H. C. Goel\*, J. Prasad, S. Singh, **R.K. Sagar**, I. Prem Kumar, P.K. Agrawal and A.K. Sinha#; **2002** Radioprotection by a Herbal Preparation of *Hippophae rhamnoides* ‘RH-3’ Against Whole Body Lethal Irradiation in Mice. **PHYTOMEDICINE 9:15-25: ISSN 0944-7113.**
20. H.C. Goel\*, J. Prasad, S. Singh, **R.K. Sagar**, I. Prem Kumar, P.K. Agrawal and A.K. Sinha# **2001**, Radioprotection by a Herbal Preparation of *Hippophae rhamnoides* ‘RH-3’ Against Whole Body Lethal Irradiation in Mice. Proceedings of International Workshop on Sea buckthorn (V. Singh and R.K. Khosla, Eds.): **205-211**, New Delhi.

### **Chapter in Books**

R. Arora, R. Chawla, Shikha Singh, **R.K. Sagar**, R. Kumar, A. Sharma, J. Prasad, S. Singh, G.U. Gurudatta, Rakesh Kumar Sharma Bioprospection for Radioprotective Molecules from Indigenous Flora Editor: JN Govil, Studium Press, USA In: Recent Progress in Medicinal Plants Vol. VI

### **Patents**

1. Joint investigator in patent “A process for Preparation of a Radioprotective Herbal Extract from plant *Hippophae sps. rhamnoides*” Indian patent office, New Delhi.
2. Joint investigator in patent “A process for Preparation of Radioprotective Herbal Extract from *Tinospora sps. Plant.*”, Indian patent office, New Delhi.

Conference / Presentations /Workshops

### Posters/Presentations /Abstracts in National & International Conferences:

1. Participated in the International e-Conference on “*Mitigating environmental issues by sustainable approaches (ICMCESA-2022)*”, organized by Acharya Narendra Dev College, University of Delhi from **February 22-28, 2022** under the aegis of IQAC and DBT Star College Scheme.
2. Chaired a session in **3rd International Symposium for Ciliate Biology (online)**:  
Chairperson: Prof. Arijit Chowdhuri, Mr. Ravinder K Sagar, Co-Chair: Dr Rahul Dev, Dr Sushma Bharadwaj Introduction to Invited Speaker, Dr Valentina Serra for 3<sup>rd</sup> International Symposium for Ciliate Biology, Organized by Acharya Narendra Dev College and Maitreyi College in Collaboration with INSCR (Indian Network for Soil Contamination Research) at Acharya Narendra Dev College, University of Delhi (13.55 to 14.40) on **8<sup>th</sup> November 2022**.
3. Participated in organizing the National Symposium on “*Chemistry in Biology: The Future of Life Sciences*” Organized by Acharya Narendra Dev College, University of Delhi held at India International Center, New Delhi on 12-13th February 2010.
4. Rajesh Arora, S. Singh, **R.K. Sagar**, R. Kumar, A. Sharma, S.C. Puri, R.P. Tripathi, G.N. Quazi. “Role of antioxidant and DNA protective activity of a promising fraction of Podophyllum hexandrum (REC-2006) in providing protection against  $\gamma$ -radiation” held at School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala, India. An international conference on frontiers of radiation and photochemistry. **PHOTORADCHEMRAD-2007**, February 8-11.
5. Rajesh Arora, S. Singh, R. **Sagar, R.** Chawla, R. Kumar, A. Sharma, M.L. Gupta, SS Lahiri, R.P. Tripathi “Radioprotection by high altitude flora and phyto-constituents therefrom: Potential for armed forces”. **PHOTORADCHEM-2007**
6. Shikha Singh, **R. K. Sagar**, Rajesh Arora, R Kumar, A Sharma, IP Kumar, J Prasad, S Singh, M Gupta, SS Siddiqui, SS Lahiri, RP Tripathi “Combination modality treatment for improved survival against lethal ionizing radiation-mediated Damage in Strain ‘A’ Mice” held at Dr. Ambedkar Centre for Biomedical Research, University of Delhi, Delhi-7, 6th Annual Symposium on Frontiers in Biomedical Research, November 30th – December 2nd, **2006**.
7. Rajesh Arora, Shikha Singh, R. **Sagar, R.** Kumar, A. Sharma, I.P. Kumar, M. Gupta,



- R.P. Tripathi. "Protection of hemopoietic system against ionizing radiation induced damage by Podophyllum hexandrum: Role of heme oxygenase-I and BCL-2" held at Institute of Medical Sciences, Banaras Hindu University, Varanasi, India, International conference on Radiation Biology, November 20-22, **2006**. Indian Journal of Radiation Research, Vol. 3 (4) pp-253-254
8. **Sagar, R.K.**, Singh, S., Chawla, R., Arora, R., Kumar, R., Sharma, A.K., Singh, S., Prasad, J., Gupta, M.L., Chaurasia, O.P., Sharma, R.K., Puri, S.C., Qazi, G.N. "Radioprotective Potential of a High-Altitude Medicinal Herb of Himalayas *Rhodiola imbricata*". Participated and presented a poster in IIIrd International conference on Plant and Environmental Pollution held at National Botanical Research institute, Lucknow, Uttar Pradesh, India. 28<sup>th</sup> November- 2 December **2005**.
  9. Rakesh Kumar Sharma, Rajesh Arora, J. Prasad, S. Singh, **R.K. Sagar**, A.K. Sinha, A.K. Sharma, N. Samanta, Rajkumar, R. Chawla, H.C. Goel, T. Ravindranath. "Radioprotective efficacy of Hippophae rhamnoides". Seminar on Sea buckthorn, A resource for environment, Health & Economy held at Institute of Nuclear Medicine and Allied Sciences Delhi, India 12-13 March **2004**
  10. **Sagar RK**, Prasad Jagdish, Singh S, Arora R, Goel HC 2003 Protection of Mammalian Hemopoietic System Against Lethal (10Gy) Radiation Damage By Certain Herbal Extracts: A Comparative Study. Presented a poster during the XXIV Annual Conference of Indian Association of Biomedical Scientists (Theme: "Radiotracers in Drug Development") held at Laser Science and Technology Centre and Institute of Nuclear Medicine and Allied Sciences, Delhi from 1<sup>st</sup> - 4<sup>th</sup> Nov **2003**.
  11. Arora R, D. Gupta, J. Prasad, S. Singh, AK Sharma, **Sagar R**, Samanta N, Kumar R, Goel HC **Screening of Indigenous Medicinal And Aromatic Plants For Their Radioprotective Potential: Some Considerations**. Presentation made during the XXIV Annual Conference of Indian Association of Biomedical Scientists (Theme: "Radiotracers in Drug Development") held at Laser Science and Technology Centre and Institute of Nuclear Medicine and Allied Sciences, Delhi from 1<sup>st</sup> to 4<sup>th</sup> Nov **2003**.
  12. **Sagar RK** and Goel HC 2002. "**Radioprotection of haemopoietic system by herbal extracts**" poster presented during the "International Conference on Radiation Damage and its Modifications" From 13<sup>th</sup> -15<sup>th</sup> Nov., Institute of Nuclear Medicine and Allied

Sciences Delhi, India. **2002.**

**Workshop organized / Attended**

13. Organized one day workshop on “**Quantitative Microbial Ecology: Opportunities and Way-ahead**” on **4<sup>th</sup> February 2023** organized by Acharya Narendra dev College, University of Delhi, Under The aegis of DBT STAR COLLEGE Scheme & IQAC in association with Gargi College (University of Delhi), IMiLI-SAC, PhixGen Pvt. Ltd. Sponsored by ISME (International Society of Microbial Ecology).
14. Worked as Resource Person in workshop on “**Tools and Techniques of Biotechnology**” at Acharya Narendra Dev College, University of Delhi, **7-8th April 2022** under the aegis of DBT Star College Scheme.
15. Worked as **Member of Organizing committee** in the workshop “**Tools and Techniques of Biotechnology**” at Acharya Narendra Dev College, University of Delhi, **7-8th April 2022** under the aegis of DBT Star College Scheme.
16. Worked as Resource Person in workshop on “**Biological Techniques**” conducted at Acharya Narendra Dev College, University of Delhi, **27th September – 4th October 2021** under the aegis of DBT Star College Scheme.
17. Resource person in 1 Day workshop on “Learning Molecular Biology Techniques” conducted for B. Sc. (H) Zoology and B. Sc. Life Sciences at Acharya Narendra Dev College, University of Delhi, on **September 24, 2019.**
18. Resource person in 3 Days workshop “LEARNING SCIENCE- “The Do it Yourself” Way Acharya Narendra Dev College 17th- 19th July 2019, In collaboration with National Bal Bhawan under the aegis of DBT Star College Scheme
19. Participated in 7 days workshop on “**Animal Behaviour**” from 19th -25th August, 2015 held at Department of Zoology, University of Delhi, Delhi-110007
20. Participated in one day workshop on “**Data Acquisition & Analysis**” on 15th September 2014 held at Department of Zoology, University of Delhi, Delhi-110007
21. Participated in one day workshop on “**Laboratory Animal Welfare & Alternative Models: Animal Welfare Through 3 R’s- REDUCE, REFINE, REPLACE**” on 6th July 2012 held at Institute of Genomics & Integrated Biology (IGIB), Mall Road, Delhi-110007.
22. Participated in workshop on “**Food, Nutrition and Health (course code: LSPP 203)**

**B.Sc. (Programme) Life Sciences I Year**” organized at Lady Irwin College, New Delhi from 10-12 February 2011.

23. Participated in workshop on “**Application of Free/ Open-Source Software in Science Teaching and Research**” organized at Acharya Narendra Dev College, University of Delhi held on 14-15th April 2010.
24. Participated as a Resource person in ‘**Workshop for Biology Laboratory Course (LS 306) for B.Sc. Programme III year**’ organized at Acharya Narendra Dev College, University of Delhi, from October 21-24, 2008.
25. Participated in the workshop on “**LINUX AND FREE-OPEN SOURCE SOFTWARES**” conducted by Acharya Narendra Dev College in association with Open Lx Linux on 6th and 7th December 2007
26. Participated in ‘**Workshop on content creation for e-learning**’, held at University of Delhi South Campus, from August 25-27, 2006.

#### Research Projects (Major Grants/Research Collaboration)

1. Co-PI in the “**MERA INDIA PROJECT: Mera/3/2020-ECD-II entitled “Attractive Toxic Sugar Bait (ATSB) methods to control mosquitoes in different regions of Delhi and NCR**” from January 2020 onwards funded by Indian Council of Medical Research (ICMR) of Rupees 39,34,420/- (Thirty-Nine Lacs Thirty-Four Thousand Four Hundred and Twenty only)
2. Joint Principal Investigator in the Innovation project “**Biodegradation of Waste by Microbial Extracellular Enzymes**” funded by University of Delhi in September 2015.

#### Awards and Distinctions

#### **LABORATORY TECHNOLOGY GROUP AWARD 2001 (Radiation Biology Laboratory under Dr. H C Goel)**

Dr. Rajesh Arora, Dr. Vandana Pathania, Jagdish Prasad, Surender Singh, Ashok Kumar Sharma, **R.K. Sagar**, N. Samanta, I. Prem Kumar, D. Gupta, P.K. Agarwala, H. Prakash

#### Association With Professional Bodies

1. Associated with Indira Gandhi National Open University as an evaluator for the past many years.
2. Coordinator of Learning Support Centre (IGNOU) in Acharya Narendra Dev College since June 2021 till date.

**Webinars Attended/organized:**

1. Participated in one day “*Virtual Industrial Visit to National Dairy Research Institute*”, Karnal, organized by Department of Zoology, Deen Dayal Upadhyay College, University of Delhi under the aegis of *Synapses and Science Foundation* on 9<sup>th</sup> September 2021.
2. Attended one day webinar on the topic "**Understanding Plagiarism Detection Software Urkund**". The webinar was conducted by DULS and DUCC in technical support of e-Galantic, Pune on 6th April 2021, 2:30 pm onwards.
3. Attended Webinar Series (Professional) on “*Transforming Teaching-Learning Process using ICT TOOLS*” from 28-30th August 2020.
4. Organized one day webinar on “**YOGA ASANA & MEDITATION TO BOOST IMMUNITY**” on 21st July 2020

**CEP (Continuing Education Programme) Courses/Training:**

5. CEP course on “*Biostatistics*” 1-5 November held at INMAS, Delhi **2004**.
6. CEP course on “*Transgenic Crop Development and evaluation*” 15-20 December held at D.A.R.L., DRDO, Pithoragarh **2003**.
7. Training Programme on “*Radiation Disaster Management*” conducted at INMAS, 25-29th July **2002**.
8. Training course on “*Molecular Biology, Hybridoma and Cell Culture Techniques*” conducted at National Biotechnology Centre, I.V.R.I. Izatnagar Bareilly, 12th-11th March under the auspices of National Agricultural Technology Project on Human Resource Development in Veterinary Biotechnology **2002**.

**Orientation Course/Refresher course/Faculty Development Programs**

1. Successfully completed UGS-ASC: UGC sponsored **Orientation Course** from 6th May-3rd June 2008 held at Centre Fort Professional Development in Higher Education, Institute of Life Long Learning, University of Delhi, Delhi-11007.
2. Successfully completed UGC Sponsored **Refresher Course** in “*LIFE SCIENCES*” from February 15, 2011 to March 9, 2011, held at Department of Zoology, University of Delhi, Delhi-110007.

3. Successfully completed UGC-HRDC: UGC Sponsored **Refresher Course** in “E-learning and Digital learning” from 5th – 25th September 2017, held at Centre for Professional Development in Higher Education, Institute of Life Long Learning, University of Delhi, Delhi-11007
4. Two Weeks FDP on "***Recent Advances in Research Methodology***" held from **17th January to 28th January, 2020** conducted by PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING (MHRD) in collaboration with Ramanujan Centre for Applied Mathematics and Research, Teaching Learning Centre, Ramanujan College, University of Delhi.
5. Two Weeks FDP on "***Managing Online Classes and Co-Creating MOOCs***" held from **20th April to 06th May, 2020** conducted by PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING, Teaching Learning Centre, Ramanujan College, University of Delhi.
6. Successfully Completed with “**A+ grade**” One Week Online National Faculty Development Program on “***Digital Tools for 21st Century: Word Processing & Spreadsheets***” from 27 January to 02-February-2021, organized by Guru Angad Dev Teaching Learning Centre, a Centre of Ministry of Education under PMMMNMTT scheme, S.G.T.B. Khalsa College, University of Delhi.
7. Successfully completed with “**A+ grade**” Two Week Faculty Development Programme **ONLINE INTERDISCIPLINARY REFRESHER COURSE “*BLENDED LEARNING & FLIPPED CLASSROOM*”** from 8-22 March 2021, organized by GNIOT Institute of Management Studies (GIMS) Greater NOIDA, Uttar Pradesh in collaboration with Teaching Learning Centre, Ramanujan College (University of Delhi), under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), Ministry of Education.

### **JURY**

1. Evaluated the Projects as Jury in **6th of the series of NLEPC** on December 10-11, 2016 at National Physical Laboratory (NPL) New Delhi during India International

Science Festival – 2016 (7th – 11th December, 2016) at NPL, New Delhi (more details at [www.scienceindiafest.org](http://www.scienceindiafest.org)).

2. Evaluated the projects as Jury in INSPIRED Award Scheme in “**5th National Level Exhibition and Project Competitions (NLEPC)**”, 2015 during December 06-07, 2015 at IIT Delhi
3. Evaluated the Projects as Jury in Inspired Award Scheme “**4th National Level Exhibition & Project Competition**”, 6-8 October 2014 held at Pragati Maidan, New Delhi, under the aegis of Department of Science & Technology, Ministry of Science and Technology, Government of India (*inspire: Innovation in Science Pursuit for Inspired Research*)
4. Evaluated the Projects as Jury in “**3rd National Level Exhibition & Project Competition**”, 8-10 October 2013 held at Pragati Maidan, New Delhi, under the aegis of Department of Science & Technology, Ministry of Science and Technology, Government of India (*inspire: Innovation in Science Pursuit for Inspired Research*)

#### **Activities other than Academics/ Research:**

1. Written an article “Black Friday” in the News Letter of Department of Zoology 2011-12.
2. Second Prize in Quiz in Hindi Pakhwara organized at INMAS 8-19 September 2003.
3. Third Prize in debate in Hindi Pakhwara organized at INMAS 8-19 September 2003.
4. Third Prize in essay writing in Hindi Pakhwara organized at INMAS 8-19 September 2003.
5. Third Prize in self-written poem in Hindi Pakhwara organized at INMAS 8-19 September 2003.

#### **राजभाषा वैज्ञानिक/प्रशासनिक संगोष्ठी 10 मार्च 2004**

- ❖ अनुसंधान/शोध कार्यो की जानकारी जन सामान्य तक पहुँचाने में राजभाषा का महत्व/योगदान  
रविन्द्र कुमार सागर, रमन चावला एवं राजेश अरोरा
- ❖ बायोइन्फोरमैटिक्स का औषध अनुसंधान एवं विकास में योगदान

रमन चावला, रविन्द्र सागर, राजेश अरोरा एवं राकेश कुमार शर्मा

- ❖ पोडोफाइलम हैक्सैंड्रम (वन ककड़ी) द्वारा मूषकों का विकिरण से बचाव  
जगदीश प्रसाद, सुरिन्द्र सिंह, अशोक शर्मा, रविन्द्र सागर एवं राजेश अरोरा
- ❖ हिमालय के औषधीय पौधे एवं उनसे रोगों का निदान  
राजेश अरोरा, रमन चावला, रविन्द्र कुमार सागर, अशोक शर्मा, जगदीश प्रसाद, सुरेन्द्र सिंह,  
राज कुमार एवं राकेश कुमार शर्मा

इनमास की ग्रह पत्रिका प्रस्तुति अंक ६ २००३-०४

- ❖ हिप्पोफी रहमनोइड्स (चारमा) द्वारा मूषकों का प्राण घातक विकिरण से बचाव  
श्री जगदीश प्रसाद सुरेंदर सिंह रविंदर कुमार दामोदर गुप्ता एवं डॉ राजेश अरोरा
- ❖ पोडोफिलम हेक्सान्ड्रम (वन ककड़ी) द्वारा जैव कोशिकाओं की गामा विकिरण से रक्षा  
श्री दामोदर गुप्ता डा। राजेश अरोरा श्री जगदीश प्रसाद सुरेंदर सिंह रविंदर कुमार सागर एवं अशोक कुमार शर्मा
- ❖ आशा: अवसाद (डिप्रेशन) की औषधी  
श्री रविंदर कुमार सागर

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC and PDF file to be attached as a link on your faculty page.