**CURRICULUM VITAE**



**Dr. Anuj Ranjan**. M.Sc., Ph.D.

Senior Researcher and Post-Doc Fellow

Southern Federal University

Rostov-on-Don

**Research Profiles**

* + Web of Science ResearcherID [I-9768-2018](https://publons.com/researcher/I-9768-2018/)
  + ORCID [0000-0003-2592-9716](https://orcid.org/0000-0003-2592-9716)
  + <https://scholar.google.co.in/citations?user=k9v3PMsAAAAJ&hl=en>
  + <https://www.researchgate.net/profile/Anuj_Ranjan>

**Research Area**

Beneficial Micorbes, Environment Health, Soil and Plant Health, Nanoparticles for Soil-plant system

**Professional Skill**

* Research and Development, Method development/validation, Standard Operating Procedure (SOPs) Preparation (Experimental/Instrumentation), Manuscripts writing/review, Research proposal writing and review, Data Analysis, Instrumentation.
* Teaching and Learning, Evaluation of students Learning assessment and outcomes, Classroom Materials and study material preparation.

**Scientific Skills**

* Molecular biology: Protein (Separation, modelling, SDS-PAGE), DNA isolation (plasmid/nuclear), separation (gel electrophoresis), PCR, Biochemical assays: COMET and TUNEL assay, Microscopy (light, Dark field, fluorescence and phase contrast), Immunological assays (Widal, ELISA, ODD, Rocket Immuno-electrophoresis),
* Analytical chemistry: Spectroscopy (AAS, UV, Visible, MS), Gas Chromatography
* Bio-efficacy studies of Phytochemicals with potential applications
* Genome analysis (sequence alignment, phylogeny, gene prediction, genome assembly)
* Protein analysis (sequence alignment, phylogeny, structure prediction, protein modelling, target charecterization and identification, docking, virtual screening, Molecular dynamic simulations).
* Predictive toxicity assessments, QSAR
* Basic idea of C, C++, Perl, HTML, MySQL.

**ACADEMIA**

* \* **Ph.D.** in Environment Science (2017) from Amity University, India. \* **Thesis title**: Physico-chemical and biochemical Assay of Organophosphorus pesticides for Human risk assessment
* \*\* **M.Sc**. Biotech & Bioinformatics (2009-11) from SRM University, Chennai, India with CGPA of 7.89

**\*\*M.Sc. dissertation:** A model of human acid sphingomyelinase based on ab-initio method and its interaction studies

* \*\*\* **B.Sc.** Biotechnology (2005-08) from Reva Institute of science and management, Bangalore, Bangalore University, Bangalore, India with 73.4%

\*\*\* **Six-month research project** on “Evaluation of lead (heavy metal) concentration in milk and milk products” using Atomic absorption spectrophotometry for Quality council of India and National referral centre for lead poisoning in India (NRCLPI)

**Professional Experience**

**PostDoc Fellow:** Southern Federal University October 2021- Present

**Assistant Professor:** Amity University Noida, India, 2017-present (on academic leave to pursue Post-Doc at SFedU)

**Teaching Experience (at Amity University, Noida)**

Environmental Biochemistry, Bioinformatics, Environmental Biotechnology and Microbiology, Environmental Toxicology, EHS Framework, Environmental Health Management, Industrial Hygiene and Occupational Exposure Assessment and Management to UG, PG and Ph.D. students

**PUBLICATIONS**

1. Rath, P., **Ranjan, A**., Ghosh, A., Chauhan, A., Gurnani, M., Tuli, H.S., Habeeballah, H., Alkhanani, M.F., Haque, S., Dhama, K. and Verma, N.K., 2022. Potential Therapeutic Target Protein Tyrosine Phosphatase-1B for Modulation of Insulin Resistance with Polyphenols and Its Quantitative Structure–Activity Relationship. Molecules, 27(7), p.2212.
2. Gurnani, M., Rath, P., Chauhan, A., **Ranjan, A**., Ghosh, A., Lal, R., Mukerjee, N., Aljarba, N.H., Alkahtani, S., Rajput, V.D., Sushkova, S., Prazdnova, E.V., Minkina, T., and Jindal T., 2022. Inhibition of Filamentous Thermosensitive Mutant-Z Protein in Bacillus subtilis by Cyanobacterial Bioactive Compounds. Molecules, 27(6), p.1907.
3. **Ranjan, A**., Rajput, V. D., Kumari, A., Mandzhieva, S. S., Sushkova, S., Prazdnova, E. V., ... & Chung, G. (2022). Nanobionics in Crop Production: An Emerging Approach to Modulate Plant Functionalities. Plants, 11(5), 692.
4. Rajput, V.D., Minkina, T., Upadhyay, S.K., Kumari, A., **Ranjan, A**., Mandzhieva, S., Sushkova, S., Singh, R.K. and Verma, K.K., 2022. Nanotechnology in the Restoration of Polluted Soil. Nanomaterials, 12(5), p.769.
5. Kumari, A., Rajput, V.D., Mandzhieva, S.S., Rajput, S., Minkina, T., Kaur, R., Sushkova, S., Kumari, P., **Ranjan, A.,** Kalinitchenko, V.P. and Glinushkin, A.P., 2022. Microplastic Pollution: An Emerging Threat to Terrestrial Plants and Insights into Its Remediation Strategies. Plants, 11(3), p.340.
6. Rajput, V. D., Minkina, T., Kumari, A., Shende, S.S., **Ranjan, A**., Faizan, M., Barakvov, A., Gromovik, A., Gorbunova, N., Rajput, P. and Singh, A., 2022. A review on nanobioremediation approaches for restoration of contaminated soil. Eurasian Journal of Soil Science, 11(1), pp.43-60.
7. Kolesnikov, S., Minnikova, T., Minkina, T., Rajput, V.D., Tsepina, N., Kazeev, K., Zhadobin, A., Nevedomaya, E., Ter-Misakyants, T., Akimenko, Y., Mandzhieva, S., Sushkova, S., **Ranjan, A.**, Asylbaev, I., Popova, V., Tymoshenko, A. 2021. Toxic Effects of Thallium on Biological Indicators of Haplic Chernozem Health: A Case Study. Environments, 8(11). https://doi.org/10.3390/environments8110119
8. **Ranjan, A**., Rajput, V.D., Minkina, T., Bauer, T., Chauhan, A. and Jindal, T., 2021. Nanoparticles induced stress and toxicity in plants. Environmental Nanotechnology, Monitoring & Management, 15, p.100457.
9. Chauhan, R., Chauhan, A., Tripathi, A., **Ranjan, A**., Chauhan, S. C., & Jindal, T. (2021). Pharmaceutical potential of laboratory grown cultures of Blue-Green algae: A comprehensive review and future possibilities. Journal of Experimental Biology and Agricultural Sciences.
10. Ranjan, A.; Chauhan, A.; Gurnani, M.; Jindal, T. Potential Phytochemicals as Efficient Protease Inhibitors of 2019-nCoV . Preprints 2020, 2020040240 (doi: 10.20944/preprints202004.0240.v1).
11. Balusamy, S. R., Veerapan, K., **Ranjan, A**., Kim, Y. J., Chellappan, D. K., Dua, K., ... & Perumalsamy, H. (2020). Phyllanthus emblica fruit extract attenuates lipid metabolism in 3T3-L1 adipocytes via activating apoptosis mediated cell death. *Phytomedicine*, 153129. **Elsevier, I.F. 4.18 [Scopus, Web of Science]**
12. Kumar, Devendra, Dhan Prakash, Veena Agrawal, Suresh Nebapure, **Anuj Ranjan**, and Tanu Jindal. "Bio-Efficacy Of Indian Weed Plants *Lantana camara* On Cotton Mealy Bug (*Phenacoccus solenopsis*)." Plant Archives 19, no. 2 (2019): 820-823**.**
13. Balusamy, S. R., Perumalsamy, H., **Ranjan**, **A**., Park, S., & Ramani, S. (2019). A dietary vegetable, Moringa oleifera leaves (drumstick tree) induced fat cell apoptosis by inhibiting adipogenesis in 3T3-L1 adipocytes. *Journal of Functional Foods*, *59*, 251-260. **Elsevier, I.F. 3.833 [Scopus, Web of Science]**
14. Bhardwaj, L., Sharma, S., **Ranjan, A**., & Jindal, T. (2019). Persistent organic pollutants in lakes of Broknes peninsula at Larsemann Hills area, East Antarctica. *Ecotoxicology*, 1-8. **Springer, Impact Factor 1.9 [Scopus, Web of Science]**
15. **Anuj Ranjan,** Abhishek Chauhan, Tanu Jindal, In-silico and in-vitro evaluation of human acetylcholinesterase inhibition by organophosphates, Environmental Toxicology and Pharmacology, Volume 57, January 2018, Pages 131-140, ISSN 1382-6689, <https://doi.org/10.1016/j.etap.2017.12.014>. **Elsevier I.F. 3.1**, **[Scopus, Web of Science]**
16. **Anuj Ranjan,** Joyce S. F. D. de Almeida, Tanos C. C. França, Abhishek Chauhan, Saradindu Ghosh, Tanu Jindal. Toxicodynamics of organophosphates with human acetylcholinesterase interaction at novel site Trp86 for antidote action. Toxicology International. Vol-24 Issue-1, 103-113, 2017 , Society of Toxicology, I.F. 1.08, [**Scopus ,Web of Science]**
17. **Anuj Ranjan**, Saradindu Ghosh, Abhishek Chauhan, Ashwani Kumar, Tanu Jindal. Molecular docking and site directed mutagenic approach to investigate the role of trp86 of human acetylcholinesterase with organophosphates. International Journal of Pharmaceutical sciences and Research, 7(9) 3802-09,2016, **I.F. 1.8** [**Scopus ,Web of Science]**
18. **Anuj Ranjan,** Ashwani Kumar, Shalini Thakur, Khushbu Gulati, Chitra Shrivastav, Tanu Jindal. *Lantana camara* as an alternative for biological control of pulse beetle *Callosobruchus maculatus* Asian Journal of microbiology Biotechnology and Environment Science, 2016 (2),263-267 **[Scopus, Web of Science]**
19. **Anuj Ranjan**, Ashwani Kumar, Khushbu Gulati, Shalini Thakur, Tanu Jindal. Role of Aromatic Amino Acids in Stabilizing Organophosphate and Human Acetylcholinesterase Complex. *Journal of Current Pharma Research*. Vol 6 (4), 2015 [**Web of Science]**
20. Bhardwaj, L., Chauhan, A., **Ranjan, A**., Jindal T. Persistent Organic Pollutants in Biotic and Abiotic Components of Antarctic Pristine Environment. Earth Syst Environ (2018). <https://doi.org/10.1007/s41748-017-0032-8> **Springer, I.F. 1.8, [Scopus, Web of Science]**
21. Kumar, A., **Ranjan, A**., Gulati, K., Thakur, S., & Jindal, T. (2016). Assessment of chemical and microbial contamination in groundwater through leaching of sewage waste in Delhi, India. Environmental earth sciences, 75(3), 275. **[Web of Science]**
22. A Chauhan, T Jindal, **A Ranjan**. Insecticidal Activity of Methanolic Extract Of *Calotropis Procera* Against *Callosobruchus Maculatus* Using Moong Seeds (*Vigna Radiata*). Journal of Biomedical and Pharmaceutical Research. 5 (6) 2016.
23. A Chauhan, **A Ranjan**, RK Basniwal, T Jindal. Probiotic, Prebiotic and Synbiotics in the Prevention of Lifestyle Disorders. Int. J. Curr. Microbiol. App. Sci 5 (12), 933-947
24. Kumar, A., Ranjan, A., Gulati, K., Thakur, S., & Jindal, T. Assessment of Groundwater Quality: Leachabilty of the contaminants from soil near unlined drain site of Delhi, India. Pollution Research 34(3):153-163 **[Scopus]**
25. Jindal, T., Kumar, A., Nirpen, L., **Ranjan, A**., Gulati, K. and Thakur, S. (2013) Leaching of overloaded and unlined drains through the groundwater in Delhi. Indian J. Environmental Protection, 33 (1):75-82 **[Scopus]**
26. K. Gulati, S. Thakur, A. Kumar, **A. Ranjan**, S.A. Hameed and T. Jindal. A Lysimeter Study to Access the Risk of Chlorpyrifos Contaminated Groundwater in a Sandy Loam Soil with Different pH. Indian J. Environmental Protection. 35 (8) : 696-703 (2015) **[Scopus]**

**Authored Book:**

**Ranjan, A**. and Jindal, T., 2022. Toxicology of Organophosphate Poisoning. Springer Nature Electronic ISBN 978-3-030-79128-5, Print ISBN 978-3-030-79127-8, DOI: <https://doi.org/10.1007/978-3-030-79128-5>

**Book Chapter**

1. Chauhan, A., **Ranjan, A**., & Jindal, T. (2018). Biological control agents for sustainable agriculture, safe water and soil health. In Paradigms in Pollution Prevention (pp. 71-83). Springer, Cham.
2. **Ranjan, A**., Chauhan, A., Rajput, V. D., Basniwal, R. K., Minkina, T., Sushkova, S., & Jindal, T. (2022). Genetic Basis of Fungal Endophytic Bioactive Compounds Synthesis, Modulation, and Their Biotechnological Application. In Bacterial Endophytes for Sustainable Agriculture and Environmental Management (pp. 157-186). Springer, Singapore.
3. Chauhan, A., **Ranjan, A**., Basniwal, R.K. and Jindal, T., 2022. Cytotoxic and Antibiotic Properties of Cyanobacterial Extracts. In New Frontiers in Environmental Toxicology (pp. 23-34). Springer, Cham.
4. **Ranjan, A.,** Chauhan, A. and Jindal, T., 2022. Toxicology of Organophosphate and Recent Trends in Prophylactic Approaches. In New Frontiers in Environmental Toxicology (pp. 103-123). Springer, Cham.
5. Basniwal, R.K., **Ranjan, A**. and Chauhan, A., 2022. Environmental Nanotoxicology: Features, Application, and Characterization. In New Frontiers in Environmental Toxicology (pp. 79-90). Springer, Cham.

**Abstract and Presentation**

1. **Anuj Ranjan,** Anzhelica B Bren, Evgenya V Prazdnova, Tatiana Minkina, Vishnu D. Rajput and Svetlana Sushkova. Prospects for the Use of Probiotic Drugs to Improve the condition of Soils and Plants. International conference on beneficial microbes (ICOBM), June 02-03, 2021, Don Technical University, Rostov-on-Don, Russia
2. **Anuj Ranjan,** Abhishek Chauhan, Tanu Jindal QSAR Modeling for Predicting the Inhibitory Concentration (IC50)of Organophosphates for Human Acetylcholinesterase. Global Sustainability Summit "The New Normal. June 03-05 2020
3. PrangyaRath, Tanu Jindal,.**Anuj Ranjan** Environmental risk factors attributing to Diabetes and further complications. Global Sustainability Summit "The New Normal. June 03-05 2020
4. **A. Ranjan,** A. Chauhan, T. Jindal (2017). Role of topological indices and topological polar surface area in predicting inhibitory potential of organophosphate. Society of Toxicology. 3th Annual conference. PGIMR, Chandigarh, India
5. **A. Ranjan,** A. Chauhan, T. Jindal (2017), “Organophosphate Mediated Inhibition of Human Acetylcholinesterase Requires Tryptophan (Trp86) on Its Active Site: An In-Silico Analysis”. North American Chemical Residue workshop, Naples, FL. U.S.A. 2017
6. **A. Ranjan**, J. Almeida, A. Chauhan, T. Jindal (2016) In-Silico studies of Organophosphates toxicity with human Acetylcholinesterase by Docking, Site Directed Mutagenesis and Molecular dynamic simulation. 7th SETAC World Congress/SETAC North America 37th Annual Meeting, November 06-10, 2016, Orlando, Florida, USA
7. **Anuj Ranjan**, Tanu Jindal, Khushbu Gulati. Investigating the role of Trp86 residue of human acetylcholinesterase in interaction with organophosphate by docking, site directed mutagenic and molecular modeling approach 252nd National Meeting and Exposition, American Chemical Society. Philadelphia, Pennsylvania, USA 90
8. **Anuj Ranjan**, Joyce S.F.D. de Almeida, Tanos C.C. Franca, Abhishek Chauhan, Saradindu Ghosh and Tanu Jindal (2016) Study on Toxicodynamics of Organophosphates and Human Acetylcholinesterase by Docking, Mutagenesis and Molecular Dynamic Simulation. International Conference on New Insights & Multidisciplinary Approach in Toxicological Studies as 36th Annual Conference of Society of Toxicology (India) 2016, August 3-5, 2016
9. T. Jindal, **A. Ranjan**, A. Chauhan (2016) Assessment of coliform and faecal coliform bacteria in lake water samples collected from Larsemann Hills area over East Antarctica. 7th SETAC World Congress/SETAC North America 37th Annual Meeting, November 06-10, 2016, Orlando, Florida, USA
10. Abhishek Chauhan, **Anuj Ranjan** and Tanu Jindal (2016) Insecticidal Effects of Calotropis Procera against Callosobruchus maculatus Using Moong Seeds (Vigna radiata). International Conference on New Insights & Multidisciplinary Approach in Toxicological Studies as 36th Annual Conference of Society of Toxicology (India) 2016, August 3-5, 2016
11. Neha Singh, **Anuj Ranjan**, Jitendra Behari and Tanu Jindal (2016) Biological Effects of Mobile and Cell Tower Radiations on Brain. International Conference on New Insights & Multidisciplinary Approach in Toxicological Studies as 36th Annual Conference of Society of Toxicology (India) 2016, August 3-5, 2016, Amity University, Noida
12. Tanu Jindal and **Anuj Ranjan** (2016) Efficacy studies and dosage standardization of natural pesticide for the eco-friendly management of pest. Third International IUPAC Conference on Agrochemicals protecting Crop, Health and Natural Environment – New Chemistries for Phytomedicines and Crop Protection Chemicals (APCHNE 2016), April 6-9, 2016, ICAR-Indian Agricultural Research Institute, New Delhi, India
13. **A Ranjan**, L Nirpen, S. Nebapure, AN Jha, C Shrivastava, T Jindal (2013) “Lantana camara: An Alternative for Biological Control of Pulse Beetle Callosobruchus maculates”. International workshop on “Green Initiatives in Energy, Environment and Health” December 2- 3, 2013, Hotel Maidens, Delhi
14. **Ranjan, A**.; Dhananjay, K.; Kumar, A.; Nirpen, L.; Jindal, T. 3D Modeling of acid sphingomyelin enzyme and search of lead inhibitor. Jigyasha, spc. Edi.; IIT Delhi.

(Conference was organized by Defence Research and Development Organization, New Delhi and the event was organized in Indian national language “**Hindi**” subsequently even was awarded **Limca Book of Records** for Largest conference organized in “**Hindi**”

1. **Anuj Ranjan**, Ashwani Kumar, Laishram Nirpen, Khushbu Gulati, Shalini Thakur, Tanu Jindal (2014) Role of Tryptophan in stabilizing Organophosphate and Acetyl cholinesterase, National Conference on Earth and Environment: Pollution and Prevention (EEPP-2014), January 28-30, 2014, Amity University Uttar Pradesh, Noida
2. Charanraj T.P., **Anuj Ranjan**, Alka Kumari, Arun Kumar, Kalpana Devi.N and Sushma Bharti, Evaluation of lead (heavy metal) concentration in milk and milk products using Atomic absorption spectrophotometry”, *Indian journal of clinical biochemistry supplement 2009/24*, abstract No-2.31
3. Gulati K., Thakur S., Nirpen L., Kumar A. **Ranjan A**., Jindal T. (2014) Risk assessment of groundwater contamination by chlorpyrifos through lysimetric studies in sandy loam soil with different pH, National Conference on Earth and Environment: Pollution and Prevention (EEPP-2014), January 28-30, 2014, Amity University Uttar Pradesh, Noida
4. Thakur S., Gulati K., Nirpen L., Kumar A., **Ranjan A**., Lal R.B. and Jindal T. (2014) Multi-pesticide residue analysis of surface water in cotton growing area, National Conference on Earth and Environment: Pollution and Prevention (EEPP-2014), January 28-30, 2014, Amity University Uttar Pradesh, Noida
5. Nirpen L., Kumar A., **Ranjan A**., Thakur S., Gulati K., Jindal T. (2014) Lysimetric study of leaching of nitrates from the unlined drains of Delhi, National Conference on Earth and Environment: Pollution and Prevention (EEPP-2014), January 28-30, 2014, Amity University Uttar Pradesh, Noida
6. Kumar A., Nirpen L., **Ranjan A**., Gulati K., Thakur S., Jindal T. (2014) Comparative study of microbiological contamination of groundwater in Delhi from different location, National Conference on Earth and Environment: Pollution and Prevention (EEPP-2014), January 28-30, 2014, Amity University Uttar Pradesh, Noida
7. T. Jindal, K. Gulati, S. Thakur, L. Nirpen, A. Kumar, **A. Ranjan** (2013) Incidence of cancer and impact of environmental toxicants. International Symposium on “Frontiers in Cancer Research: Prevention to Therapeutics” November 15–16, 2013, Amity University, Noida
8. T. Jindal, L. Nirpen., **A. Ranjan**, A. Kumar, S. Thakur, K. Gulati (2013) Ecotoxicological Studies of Pharmaceutical Drugs and their Impact on Public Health, National Conference on Use of Animals and Alternatives in Biomedical Research with Special Reference to Drug Discovery and Drug Development, February 14-15, 2013, Amity University Uttar Pradesh, Noida
9. T. Jindal, L. Nirpen, A. Kumar, S. Thakur, K. Gulati, **A. Ranjan** (2013) Lysimetric Study of Groundwater Contamination by Unlined Drains in Delhi, “Environmental Pollution, Soil Health and Sustainable Agriculture” (Envirosoil-2013), January 15-17, 2013, Amity University Uttar Pradesh, Noida

**Training/Workshop/Conference Attended**

**Training**:

* Institutional level training on Gas chromatography (Agilent) and UV-Visible Spectrophotometer (Agilent)
* “Radiochemistry and Application of Radioisotopes” at Amity University Gurgaon, India in collaboration with Bhaba Atomic Research Center (BARC) And Board of Research in Nuclear Science (BRNS), from 10-20th March 2013

**Poster**:

* **A. Ranjan,** A. Chauhan, T. Jindal (2017), “Organophosphate Mediated Inhibition of Human Acetylcholinesterase Requires Tryptophan (Trp86) on Its Active Site: An In-Silico Analysis”. North American Chemical Residue workshop, Naples, FL. U.S.A. 2017
* Ranjan A. Chauhan A., Jindal T., In-Silico studies of Organophosphates toxicity with human Acetylcholinesterase by Docking, Site Directed Mutagenesis and Molecular dynamic simulation. 7th SETAC World Congress/SETAC North America 37th Annual Meeting, November 06-10, 2016, Orlando, Florida, USA
* Ranjan A. Chauhan A., Jindal T., *Lantana camara*: An alternative for Biological control of pulse beetle *Callosobruchus maculatus”* at International workshop on “Green Initiatives in Energy, Environment and Health” 2013
* Ranjan, A. T.P. Charanraj and T. Jindal (2012) Estimation of Lead Concentration in Milk and Milk Products, National Workshop on “Pollution Prevention Paradigm”, May 11, 2012, Amity Institute of Environmental Toxicology, Safety and Management (AIETSM), Amity University, Noida

**Oral Presentation**:

* **Anuj Ranjan**, Anzhelica B Bren, Evgenya V Prazdnova, Tatiana Minkina, Vishnu D. Rajput and Svetlana Sushkova. Prospects for the Use of Probiotic Drugs to Improve the condition of Soils and Plants. International conference on beneficial microbes (ICOBM), June 02-03, 2021, Don Technical University, Rostov-on-Don, Russia
* **Anuj Ranjan**, Joyce S.F.D. de Almeida, Tanos C.C. Franca, Abhishek Chauhan, Saradindu Ghosh and Tanu Jindal (2016) Study on Toxicodynamics of Organophosphates and Human Acetylcholinesterase by Docking, Mutagenesis and Molecular Dynamic Simulation. International Conference on New Insights & Multidisciplinary Approach in Toxicological Studies as 36th Annual Conference of Society of Toxicology (India) 2016, August 3-5, 2016
* 3D modelling of Acid sphingomyelinase enzyme and search of lead inhibitors” in Hindi language (National language of India) in an International conference organized by Defence Research and Development Organisation This conference has been included in Limca book of records in 2015 for recieving largest number of article in one language in one conference.

**Awards:**

* Young Scientis Award , SEHAT India Foundation, New Delhi, India, 2020.
* CSIR, Govt. of India, Travel grant award for attending North American Chemical Residue workshop, Naples, FL. U.S.A. 2017
* Student scholarship award ($500) at North American Chemical Residue workshop, Naples, FL. U.S.A. 2017
* Amity University Travel Grant (INR 40,000) to Attend NACRW 2017, Naples, Florida, U.S.A.
* Best paper presentation award, Society of Toxicology, India, 2016
* American Chemical Society Agro-education award ($810), Philadelphia, 2016

**Invited lecture**

* My experiences of 34th Indian Scientific Expedition to Antarctica. Govt. School, Birpur, Begusarai, India
* “Antarctica: Beyond the believe” , BPS Secondary School, Begusarai. India

**Patent**

Jindal, Tanu, and **Ranjan, A**. 2012. Development of natural pesticides from plants with acetyl cholinesterase inhibitory activity. 3963/DEL/2012, Filed December 20, 2012.

**Extraordinary Achievements**

National level Participation in 34th Indian Scientific Expedition to Antarctica. Participated as **Scientific member** on Environment Expert (On deputation order of Govt. of India)

* **Project Executed**: Pursuit of Health of Indian Antarctic station and Environmental Monitoring in Antarctica
* **Expedition organized by**: National Centre for Antarctic and Ocean research, Goa, Ministry of Earth Science, Govt. of India.
* Participated in **Pre-Antarctic acclimatization training**: Held at Skiing and Mountaineering Institute Indo-Tibbet Border Police, Auli, Uttrakhand, India.
* **Fire Fighting and ship Safety levels training** at Maritime Sea Scan Limited, Goa, arranged by NCAOR.
* **Scientific Expedition**: Ministry of Earth Science, Govt. of India led 34th Indian Scientific Expedition included visit to both Indian Research bases **“Bharti** and **Maitri”** for collection and analysis of water and sediment samples from polar lakes for polar environment monitoring.

**Country visited:**

**United States of America, South Africa**, **Russia, Antarctica** (Indian Research bases: **Bharti** and **Maitri,** Russian Research Base: **Progress** and **Novolazarevskaya**, Chinese research base: **Zhongshan** Research Base)

**PERSONAL DETAILS**

* Name : Anuj Ranjan
* Date of Birth : 26th March, 1987
* Nationality : Indian
* Languages Known :Hindi\*, English, Kannada, Sanskrit. \* Mother tongue
* Marital Status : Married

**Permanent Address** : S/O-Indradeo Mahto, Village+ Post Office: Naokothi, District: Begusarai. Bihar. India. 851130

**Office Address:** Room No. 607, Prospekt Stachki, 194 1, Rostov-on-Don, Rostov Oblast, 344090

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