

# Dr. Rajeev Singh



***Designation***

**Associate Professor**

***Office-Address***

Department of Environmental Science  
Faculty of Engineering  
& Technology,  
Jamia Millia Islamia  
(A Central University)  
New Delhi-110025  
India

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***Major Research Interest***

- Environmental Health
- Environmental Biotechnology
- Radiation Biology & Immunology
- Reproductive Toxicology
- Environmental Microbiology

**Teaching and Research Experience**      **12 years**

<b>PhD Student registered</b>	<b>04</b>
<b>Research Publications:</b>	<b>82</b>
<b>Citations</b>	<b>860</b>
<b>h- index</b>	<b>15</b>
<b>i10-index</b>	<b>21</b>
<b>Books</b>	<b>05</b>

**Total Funding Received:**      **~ 50 million INR**

**International Visits:**      **Iceland, France, Thailand**

**Conferences/Workshop Organised**      **08**

# ACADEMICS

## PROFESSIONAL QUALIFICATION

Degree/Exam	Topic/Specialization	University	Year
Ph.D	Zoology	University of Delhi, Delhi	2010
Master of Science	Biotechnology	V.B.S. Purvanchal University, Jaunpur, U.P	2003
Bachelor of Science	Zoology, Botany, Chemistry	V.B.S. Purvanchal University, Jaunpur, U.P	2001

## AWARD/SCHOLARSHIP RECEIVED

S.No.	Title	Awarding Agency	Duration
1	Young Scientist Award	Federation of European Microbiological Societies (FEMS)	2008
2	Gold Medal for Best Oral Presentation	Indian Society of Comparative Endocrinology, Visva Bharti University	2007
3	Senior Research Fellowship	CSIR, New Delhi, India	2004
4	Senior Research Fellowship	Indian Council of Medical Research	2004
5	Travel grant to attend the "6 th Congress of the Asia and Oceania Society for Comparative Endocrinology (5th AOSCE)" held in Bangkok	INSA	2006
6	Travel grant to attend International conference	CSIR	2008
7	Travel grant to attend International Conference	Department of Science and Technology (DST)	2008

## MEMBERSHIP OF PROFESSIONAL BODIES

S.No.	Title	Professional Body
1	Life Member	World Society for Virology (WSV)
2	Fellow Member	British Society for Antimicrobial Chemotherapy (BSAC)
3	Life Member	Indian Society for the Study of Reproduction and Fertility, (ISSRF)
4	Life Member & Founder Secretary	Bioelectromagnetic Society of India (BESI)
5	Life Member	Indian Society of Comparative Endocrinology (ISCE)

## PROFESSIONAL EXPERIENCE

**Total Teaching & Research Experience 12 year**

**August 2022 to till date**

**Associate Professor** Department of Environmental Science, Jamia Millia Islamia, New Delhi-110025

**July 2015 to August 2022**

**Assistant Professor** Department of Environmental Studies, Satyawati College University of Delhi, Delhi-110052

**July 2010 to June 2015**

**Scientist C**, Indian Council of Medical Research, AIIMS Campus, New Delhi-110049

## RESEARCH GUIDANCE

Ph. D. Under Progress 04

Research Trainee 08

S.No.	Title	Student	Status
1	Isolation and characterization of bio-contaminants and their impact on human and animal health	Pradeep Kumar	In progress
2	Role of gut micro biota and metabolites in carcinogenesis of colorectal cancer	Nishu	In progress
3	Effect of non-ionizing radiation on Immune system	Himanshi Yadav	In progress
4	Effect of non-ionizing electromagnetic radiation on male reproductive health	Pooja jangid	In progress

## RESEARCH PROJECTS

*Total Funding Received:*

~ 50 million INR

## PROJECTS UNDER PROGRESS

S. No.	Title	Funding Agency	Funding (Rs Million)	Duration
1	Underlying mechanism of genotoxicity induced by non-ionizing electromagnetic radiation in Human monocytic cell line (THP-1)	Indian Council of Medical Research	12	2022-2025
2	Modulation of human ovarian granulosa cells (COV424) development and endocrine functions induced by non-ionizing electro-magnetic radiation.	Indian Council of Medical Research	11	2022-2025
3	Comparative analysis of Leydig cell functions induced by Electromagnetic sources	Indian Council of Medical Research	9	2019-2023
4	Design, synthesis and biological evaluation of novel lead compounds for treatment of Fibrodysplasia Ossificans Progressiva (FOP)	Indian Council of Medical Research	4 (Co-PI)	2020-2023
5	Identification of the molecular mechanism of mechano transduction pathways that acts upstream of Hippo pathway for treatment of breast cancer .	Indian Council of Medical Research	4.5 (Co-PI)	2020-2023
6	Development of rapid RT-PCR based diagnostic assays for the detection of Cryptococcus neoformans in COVID-19 patients.	University of Hail, Saudi Arabia	(Co-PI)	2021-2022

## PROJECTS COMPLETED

S. No.	Title	Funding Agency	Funding (Rs Million)	Duration
1	Effect of Non-ionizing Electro Magnetic Radiation emitted from cell phone on innate immune response and Intracellular signaling pathway	Indian Council of Medical Research	14.5	2018-2022
2	Isolation and Characterization of Bio-contaminant from Indoor Environment in Delhi Residence and their Impact on Human Health	SERB, New Delhi, India	3.5	2018-2022

## INTERNATIONAL ACADEMIC ACTIVITIES

S. No.	Country	Year	Purpose
1	USA	2005	To attend International Congress of Comparative Endocrinology (ICCE) held in Boston, USA from 23 -27 May, 2005.

2	<b>Iceland</b>	2008	To attend International Conference on Fish Diseases and Fish Immunology held in Reykjavik, Iceland from 6-9 September 2008.
3	<b>China</b>	2009	To attend "16 <sup>th</sup> International Congress of Comparative Endocrinology" held in Hong Kong, China from 22-26 June, 2009.
4	<b>Thailand</b>	2006	To attend "6 <sup>th</sup> Congress of the Asia and Oceania Society for Comparative Endocrinology (5th AOSCE)" held in Bangkok, Thailand from 7-10 February, 2006.

## EDITOR & REVIEWER OF RESEARCH JOURNALS

S. No.	Journal
1	Plos One (Editor)
2	Cells
3	Environmental International (Springer)
4	Biological Research
5	Mutation Research
6	Free Radical Research
7	Environmental Health Insights
8	Journal of Medical Microbiology
9	Food and Chemical Toxicology
10	Journal of Reproductive Healthcare and Medicine
11	International Journal of Molecular Sciences

## CORPORATE CONTRIBUTIONS

### National Level and University Level

- Initiated energy conservation activities like uses of CFL, LED, and star rated power equipments.
- Role in establishing **Eco- friendly** campus by using renewable energy and time to time plantation drives
- Role in establishing **Water harvesting unit** in campus.
- Represent the university in "**Catch the Rain**" campaign of National Water Mission, GOI

- Hazardous waste management and E-waste management.
- Vermicomposting pit formed in the campus
- Participated in Cleanliness drive initiative in campus inspired by motif "**Clean Delhi Green Delhi**".
- Visited **WWF** for discussing environmental issues and suggesting new ideas.
- Organized several educational field visits to aware students about the growing environmental habitat destruction due to Invasive plants.

## ACADEMIC CONTRIBUTIONS

- Head, Department of Environmental Studies, Satyawati College, University of Delhi.
- Member, AECC, NEP2020, University of Delhi.
- Member of Faculty of Science, University of Delhi.
- Member, IQAC
- Founder Secretary of Bio-electromagnetic Society of India
- Member of Board of Studies (BoS), Amity Institute of Environmental Science
- Convener, Canteen Committee
- Member, Purchase Committee
- Deputy proctor, satyawati College
- Member, auditorium maintenance committee
- Member secretary, Ethical committee on Human Research
- Member, Building committee
- Member, Library Committee
- Member, Alumni Committee

## CONFERENCES & WORKSHOPS ORGANIZED

Sr. N.	Capacity	Title	Year
1	Organizing Secretary	International Conference on Challenges and Strategies in Reproductive and Environmental Health with Special Reference to COVID-19 Pandemic & 31st Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF) Virtual Conference. Organized by Satyawati College, University of Delhi	19 th - 21 th February 2021
2	Treasurer	Global Conference on Reproductive Health with Focus on Occupational, Environmental and Lifestyle Factors at JNU Convention Center, Jawaharlal Nehru University, New Delhi	22nd - 24th February 2019
3	Organizing member	International Conference on Reproductive Health with Emphasis on Strategies for Infertility, Assisted Reproduction and Family Planning held in All India Institute of Medical Sciences (AIIMS), New Delhi from	23 <sup>rd</sup> - 25 <sup>th</sup> January , 2017
3	Organizing member	International Conference on Reproductive Health with Emphasis on Strategies for Family Planning held in All India Institute of Medical Sciences (AIIMS), ICMR, New Delhi from	February 19-21, 2012.
4	Organizing member,	49 <sup>th</sup> Annual Conference “International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics” held in Department of Zoology, University of Delhi, India from	November 18-20, 2008.
5	Organizing member	30 <sup>th</sup> All India Cell Biology Conference (AICBC): held in Department of Zoology, University of Delhi, India from	2-4 Feb 2007.
6	Organizing member	Workshop cum Seminar on “Comparative Endocrinology and Reproductive Physiology” held at Department of Zoology, University of Delhi, Delhi -110007, India from	4 <sup>th</sup> -13 <sup>th</sup> October 2006.
7	Organizing member	National Symposium on Comparative Endocrinology and Reproductive Physiology: Retrospect and Prospect” held at Department of Zoology, University of Delhi, India from	16-18 November, 2005.

# PUBLICATIONS

## BOOKS

1. Srivastava N, Srivastava M, Singh R.(2021). Bioenergy Research: Integrative Solution for Existing Roadblock. Springer Singapore. ISBN- 978-981-16-1887-1
2. Srivastava, M., Srivastava, N., & Singh, R. (2021). Bioenergy Research: Commercial Opportunities & Challenges. Springer Singapore. ISBN- 978-981-16-1189-6
3. Srivastava, M., Srivastava, N., & Singh, R. (2021). Bioenergy Research: Basic and Advanced Concepts. Springer Singapore. ISBN- 978-981-33-4610-9
4. Srivastava, M., Srivastava, N., & Singh, R. (2021). Bioenergy Research: Revisiting Latest Development. Springer Singapore. ISBN- 978-981-33-4614-7
5. Srivastava, M., Srivastava, N., & Singh, R. (2021). Bioenergy Research: Biomass Waste to Energy. Springer Singapore. ISBN- 978-981-16-1861-1

## BOOK CHAPTERS

1. Rajeev Singh, Raj M K. July 2021, "Climate Change on Plant Community Structure and Ecosystem Function", Editors: Kanchan Verma, Climate Change and the Microbiome, Springer, ISBN 978-3-030-76862-1
2. Singh R, Mishra P K, Srivastava N, Shrivastav A, Shrivastava K R (Apr 2021). Biomethane production and advancement. Wiley Online library. ISBN-9781119772125
3. Shourie A., Singh R., Singh A. (2021) Histopathologic Diagnosis of Fungal Infections of Lab Animals. In: Gupta A., Pratap Singh N. (eds) Fungal Diseases in Animals. Fungal Biology. Springer, Cham. [https://doi.org/10.1007/978-3-030-69507-1\\_6](https://doi.org/10.1007/978-3-030-69507-1_6)
4. Singh A and Singh R (2019). DNA: An important component of Life. Biochemistry, Biophysics, and Molecular Chemistry; Applied Research and Interactions. Editors: Francisco Torrents, Debarshi Kar Mhapatra, A K Bhagi. Taylor and Francis Group, USA. ISBN: 9781771888145.
5. Sharma R S, Singh R, Ajeet, Saxena R (Feb 2020). Fertility Control Methods in India: An Update. Family Planning: Past Present & Future, ISSRF Newsletter ISBN2395-2806
6. Singh A and Singh R (August 2019). Biodiversity: Loss and Conservation. Beings Green Chemistry and Biodiversity Principles, Techniques, and Correlations. Editors: Cristobal N. Aguilar, Suresh C. Ameta, A. K. Haghi, CRC Press: Taylor and Francis Group, USA. ISBN: 9781771887946
7. Singh R and Singh A (August 2019). Aegle marmelos: Nature's Gift for Human Beings Green Chemistry and Biodiversity Principles, Techniques, and Correlations. Editors: Cristobal N. Aguilar, Suresh C. Ameta, A. K. Haghi. CRC Press: Taylor and Francis Group, USA. ISBN: 9781771887946
8. Singh R, Joshi H, and Singh A (September 2019). Algae: Role in Environment Safety. Research Methods and Applications in Chemical and Biological Engineering. Editors: Ali Pourhashemi, Sankar Chandra Deka, A. K. Haghi, Apple Academic Press, 9781771887687.

9. Singh R, Joshi H, and Singh A (2018). Bryophytes as biomonitors Multifarious Uses and Applications of Bryophyte Flora. Editors: Dr. KajalSrivastava, Dr. Shivom Singh, IGI global publishers. ISBN: 9781003000693
10. Singh R, Gautam N and Singh A (Accepted 2018). Plant Growths Regulator. Theoretical Models and Experimental Approaches in Physical Chemistry Research Methodology and Practical Methods. Editors: A. K. Haghi, Sabu Thomas. CRC Press: Taylor and Francis Group, USA. ISBN: 97817718863215
11. Singh R and Singh A (Accepted 2018). Basics of Carbohydrates. Physical Chemistry for Engineering and Applied Sciences: Theoretical and Methodological Implication. Editors: A. K. Haghi, CristóbalNoé Aguilar, Sabu Thomas. CRC Press: Taylor and Francis Group, USA. ISBN: 9781315109725
12. Singh A and Singh R (2017). Biodiversity and conservation. Applied Physical Chemistry with Multidisciplinary Approaches. Editors: DevrimBalköse, Sabu Thomas, Apple Academic Press, NJ, USA Hard ISBN: 9781771886062.
13. Singh R and Singh A (2017). Protein Structure Prediction. Applied Chemistry and Chemical Engineering, Volume 2 Principles, Methodology, and Evaluation Methods. Editors: A. K. Haghi, LionelloPogliani, DevrimBalköse, Omari V. Mukbaniani, Andrew G. Mercader Apple Academic Press, NJ, USA ISBN: 9781771885584
14. Singh A, Singh R, Gupta N (2016). Role of Supercomputers in Bioinformatics. Oncology: Breakthroughs in Research and Practice. Zhiqiang Yan and Jin Wang, Apple Academic Press, NJ, USA, ISBN13: 9781522505495.
15. Singh A and Singh R (2015). Immunological Databases and Its Role in Immunological Research. *Life Chemistry Research Biological Systems*. Editors: Prof. Roman Joswik, Poland, Prof. Gennady E. Zaikov, Russia, Prof. A. K. Haghi, Canada. CRC Press: Taylor and Francis Group, USA. (ISBN 9781771880688).
16. Singh R and Singh A (2016). Role of Databases in Biological Data Analysis. Chemical Analysis: Modern Materials Evaluation and Testing Methods Editors: Prof. Ana Cristina FariaRibeiro, Prof. Cecilia I. A. V. Santos, Prof. Gennady E. Zaikov. CRC press, Apple Academic Press, NJ, USA. (ISBN 9781771882590).
17. Singh A, Singh R and Gupta N (2015). Role of Supercomputers in Bioinformatics. *Research and applications in global supercomputing*. Editors: Prof. Segall, Richard S., USA, Jeffrey S. Cook, USA and Prof. Qingyu Zhang, China. IGI Global, USA. Page No. 223-241 ISBN13: 9781466674615.
18. Singh A and Singh R (2014). New concept of using genetically engineered microbial Biosensor. *Chemistry and Physics of Complex Materials*. Editors: Prof. Maria Rajkiewicz, Poland, WiktorTyskiewicz, Poland and Prof. Ali Pourahashemi, USA. Apple Academic Press, NJ, USA. Page No. 45-66 (ISBN 9781926895604).
19. Singh A and Singh R (2014). A Research Note on Immunological Databases and Its Role in Immunological Research. *Chemical and Biochemical Engineering*. Editors: Prof. Ali Pourahashemi, USA. CRC press, Apple Academic Press, NJ, USA. (ISBN 9781771880305).
20. Singh A and Singh R (2014). Immune-System: Components and Disorders. *Key Engineering Materials Volume I: Current State-of-the-Art on Novel Materials*. Editors: Prof. DevrimBalköse, Prof. Daniel Horak, Dr. LadislavŠoltés. CRC Press: Taylor and Francis Group, USA. Page No. 507-516. (ISBN 9781926895734).
21. Singh A and Singh R (2013). Nanotherapeutics: A novel approach of target based drug delivery. *Chemical Process in Liquid and Solid Phase Properties, Performance and Application*, Editors:

Prof. Alfonso Jimenez, Spain and Prof. Ali Pourhashemi, USA. *Apple Academic Press, NJ, USA*. Page No. 17-26. (ISBN 9781926895512).

22. Singh A and Singh R (2013). Microbial Biosensors. *Polymer Products and Chemical Processes Techniques, Analysis, and Applications* Editors: Prof. Richard A. Pethrick, USA, Prof. Eli M. Pearce, USA, Dr. Gennady E. Zaikov, Russia. *Apple Academic Press, NJ, USA*. Page No. 183-202 (ISBN 9781926895536).
23. Singh A, Singh R, Vladimirovich KG, and GrigorŌevich YY. (2013). New Horizons In Nanotechnology. *Handbook of Research on Functional Materials: Principles, Capabilities and Limitations*. Editors: Charles Wilkie, PhD, USA, Georges Geuskens, PhD, Belgium, Victor Manuel de Matos Lobo, PhD, Portugal. *CRC press, Apple Academic Press, NJ, USA*. Page No. 275-312. (ISBN 9781926895659)

## RESEARCH PAPERS

Sr. N.	Paper details	Year	Listed In
1.	Shafiul Haque, Hani Faidah,.. Rajeev Singh*, Neha Srivastava *, Vijai Kumar Gupta *Green synthesis of Zn-(OH) <sub>2</sub> /ZnO based bionanocomposite using pomegranate peels and its application in degradation of bacterial biofilm. Nanomaterials. ISSN: 2079-4951( <b>Impact Factor: 5.7</b> )	2022	WOS& Scopus
2.	Singh T, Srivastava N, Teklemariam A D, P.K. Mishra, Almuhayawi M S, Shafiul Haque, Steve Harakeh, Pal DB, Singh R, Gupta VK (2022) Kinetics Investigation of Phenolic Pollutant Degradation via Serratia marcescens ABHI 001 and its Application in Wastewater Treatment. Chemosphere. ISSN 0045-6535 ( <b>Impact Factor: 8.9</b> )	2022	WOS& Scopus
3.	Srivastava, N., Singh, R*., Kushwaha, D., Mokhtar, J. A., Abujamel, T. S., Harakeh, S., ... & Gupta, V. K. (2022). Improved biohydrogen production via graphene oxide supported granular system based on algal hydrolyzate, secondary sewage sludge and bacterial consortia. Journal of Biotechnology ISSN: 0168-1656.( <b>Impact Factor: 3.5</b> )	2022	WOS& Scopus
4.	Haque, S., Singh, R*., Pal, D. B., Harakeh, S., Alghanmi, M., Teklemariam, A. D., ... & Gupta, V. K. (2022). Recent Update on anaerobic digestion of paddy straw for biogas production: Advancement, limitation and recommendations. Environmental Research, 114292.ISSN: 0013-9351.( <b>Impact Factor: 8.4</b> )	2022	WOS& Scopus
5.	Srivastava, N., Srivastava, K. R., Bantun, F., Mohammad, A., Singh, R., Pal, D. B., ... & Gupta, V. K. (2022). Improved production of biogas via microbial digestion of pressmud using CuO/Cu <sub>2</sub> O based nanocatalyst prepared from pressmud and sugarcane bagasse waste. Bioresource Technology, 127814. ISSN: 0960-8524. ( <b>Impact Factor: 11.8</b> )	2022	WOS& Scopus
6.	Singh T, Sharma S, Singh R, Pal DB, Ahmad I, Alam MM, Singh NL, Srivastava M, Srivastava N. Sustainable approaches towards green synthesis of TiO <sub>2</sub> nanoparticles and their applications in photo-catalysis mediated sensing to monitor environmental pollutants. (2022) Luminance: The Journal of Biological and Chemical Luminescence ISSN: 1522-7235 ( <b>Impact Factor: 2.6</b> )	2022	WOS& Scopus
7.	N. Dalal, T.K. Dhiman, G.B.V.S. Lakshmi, A.K. Singh, R. Singh, P.R. Solanki, A. Kumar, (2022) MIP based sensor for detection of gut microbiota-derived Indoxyl Sulfate using PANI-Graphene-NiS <sub>2</sub> . Materials Today Chemistry.ISSN: 2468-5194 ( <b>Impact Factor: 7.6</b> )	2022	WOS& Scopus
8.	Haque S, Singh R, Pal DB, Faidah H, Ashgar SS, Areeshi MY, Almalki AH, Verma B, Srivastava N, Gupta VK. Thermophilic biohydrogen production strategy using agro industrial wastes: Current update, challenges, and sustainable solutions. Chemosphere. 2022 Nov;307(Pt 4):136120. ISSN 0045-6535 ( <b>Impact Factor: 8.9</b> )	2022	WOS& Scopus
9.	Yadav H, Singh R. Immunotoxicity of Radiofrequency radiation. Environmental Pollution, (287)117370. ISSN: 0269-7491 ( <b>Impact Factor: 9.9</b> )	2022	WOS& Scopus
10.	Enhancement of fungal Srivastava, N., Mohammad, A., Pal, D. B., Srivastava, M., Alshahrani, M. Y., Ahmad, I., Singh, R., Mishra, P. K., Yoon, T., Gupta, V. K. (2022). cellulase production using pretreated orange peel waste and its application in improved bioconversion of rice husk under the influence of nickel cobaltite nanoparticles Biomass Conv.	2022	WOS& Scopus

	Bioref. (2022). ISSN: 2190-6823 ( <b>Impact Factor: 4.9</b> )		
11.	Pal, D. B., Tiwari, A. K., Mohammad, A., Prasad, N., Srivastava, N., Srivastava, K. R., ... & Gupta, V. K. (2022). Enhanced Biogas Production Potential Analysis of Rice Straw: Biomass characterization, Kinetics and Anaerobic Co-Digestion investigations. <i>Bioresource Technology</i> , 127391. ISSN: 0960-8524. ( <b>Impact Factor: 11.8</b> )	2022	WOS& Scopus
12.	Singh, R., Pal, D. B., Alkhanani, M. F., Almalki, A. H., Areeshi, M. Y., Haque, S., & Srivastava, N. (2022). Prospects of soil microbiome application for lignocellulosic biomass degradation: An overview. <i>Science of the Total Environment</i> , 155966. ISSN: 0048-9697 ( <b>Impact Factor: 10.7</b> )	2022	WOS& Scopus
13.	Srivastava N, Singh R*, Mohammad A, Pal DB, Ahmad I, Alam MM, Mishra PK, Gupta VK. (2022) Acid tolerant multicomponent bacterial enzymes production enhancement under the influence of corn cob waste substrate. <i>International Journal of Food Microbiology</i> . 2022 May 2:109698. ISSN: 0168-1605 ( <b>Impact Factor: 5.9</b> )	2022	WOS& Scopus
14.	Bantun F, Singh R, Alkhanani MF, Almalki AH, Alshammary F, Khan S, Haque S, Srivastava (2022). Gut microbiome interactions with graphene based nanomaterials: Challenges and opportunities. <i>Science of the Total Environment</i> . ISSN: 0048-9697 ( <b>Impact Factor: 10.7</b> )	2022	WOS& Scopus
15.	Kumar P, Singh AB, Singh R. Comprehensive health risk assessment of microbial indoor air quality in microenvironments. <i>PLoS ONE</i> 17(2) 2022: e0264226. ISSN: 1932-6203 ( <b>Impact Factor: 3.7</b> )	2022	WOS& Scopus
16.	Jangid, P., Rai, U., Sharma, R. S., & Singh, R. (2022). The role of non-ionizing electromagnetic radiation on female fertility: A review. <i>International Journal of Environmental Health Research</i> , 1-16. ISSN: 0960-3123 ( <b>Impact Factor: 4.4</b> )	2022	WOS& Scopus
17.	Khan, M., Singh, T., Pal, D.B., Khan S, Ahmed S, Haque S, Singh R, Srivastava N. et al. Enhanced production of bacterial hydrolytic endoglucanase enzyme using waste leaves of water hyacinth and its thermal stability under the influence of TiO <sub>2</sub> nanoparticles. <i>Biomass Conv. Bioref.</i> (2022). ISSN: 2190-6823 ( <b>Impact Factor: 4.9</b> )	2022	WOS& Scopus
18.	Srivastava, N., Singh, R*, Mohammad, A., Pal, D.B., Syed, A., Elgorban, A.M., Mishra, P.K., Yoon, T., Srivastava, M. and Gupta, V.K., 2022. Graphene oxide mediated enhanced cellulase production using pomegranate waste following co-cultured condition with improved pH and thermal stability. <i>Fuel</i> , 312, p.122807. ( <b>Impact Factor: 8.0</b> ) ISSN: 0016-2361	2022	WOS& Scopus
19.	Srivastava N, Srivastava M, Alhazmi A, Mohammad A, Khan S, Pal DB, Haque S, Singh R*, Mishra PK, Gupta VK. Sustainable green approach to synthesize Fe <sub>3</sub> O <sub>4</sub> /α-Fe <sub>2</sub> O <sub>3</sub> nanocomposite using waste pulp of <i>Syzygium cumini</i> and its application in functional stability of microbial cellulases. <i>Scientific Reports</i> . 2021 Dec 21;11(1):1-2 ISSN: 2045-2322 ( <b>Impact Factor: 4.9</b> )	2021	WOS& Scopus
20.	Srivastava, N., Singh, R*, Srivastava, M., Syed, A., Pal, D. B., Bahkali, A. H., & Gupta, V. K. (2021). Impact of mixed lignocellulosic substrate and fungal consortia to enhance cellulase production and its application in NiFe <sub>2</sub> O <sub>4</sub> nanoparticles mediated enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 126560. ISSN: 0960-8524. ( <b>Impact</b>	2021	WOS& Scopus

	<b>Factor: 11.8)</b>		
21.	Jalandra R, Dalal N, Yadav AK, Verma D, Sharma M, Singh R, Khosla A, Kumar A, Solanki PR. Emerging role of trimethylamine-N-oxide (TMAO) in colorectal cancer. Appl Microbiol Biotechnol. 2021 Sep 27. <b>(Impact Factor: 5.5)</b>	2021	WOS& Scopus
22.	Singh A, Pal DB, Kumar S, Srivastva N, Syed A, Elgorban AM, Singh R, Gupta VK. Studies on Zero-cost Algae based Phytoremediation of Dye and Heavy Metal from Simulated Wastewater. Bioresource Technology. 2021 Sep 20:125971. ISSN: 0960-8524. <b>(Impact Factor: 11.8)</b>	2021	WOS& Scopus
23.	Srivastava N, Mohammad A, Singh R, Srivastava M, Syed A, Pal D B, Algorban M E, Mishra P K, Gupta V K (2021). Evaluation of enhanced production of cellulose deconstructing enzyme using natural and alkali pretreated sugar cane bagasse under the influence of graphene oxide. Bioresour Technol. 2021 ISSN: 0960-8524. <b>(Impact Factor: 11.8)</b>	2021	WOS& Scopus
24.	Srivastava N, Srivastava M, Singh R, Syed A, Pal D B, Algorban M E, Kushwaha D Mishra P K, Gupta V K (2021). Co-fermentation of residual algal biomass and glucose under the influence of Fe <sub>3</sub> O <sub>4</sub> nanoparticles to enhance biohydrogen production under dark mode Bioresour Technol. 2021 ISSN: 0960-8524. <b>(Impact Factor: 11.8)</b>	2021	WOS& Scopus
25.	Srivastava N, Alhazmi, Mohammad A, Haque S, Srivastava M, Pal D B, Singh R, Mishra P K, Vo D V N, Yoon T, Gupta V K (2021). Biohydrogen production via integrated sequential fermentation using magnetite nanoparticles treated crude enzyme to hydrolyze sugarcane bagasse. International Journal of Hydrogen Energy <b>(Impact Factor: 7.1)</b>	2021	WOS& Scopus
26.	Pal D B, Srivastava N, Pal S L, Kumar M, Syed A, Elgorban M A, Singh R, Gupta V K (2021). Exploring lignocellulosic composition Based Thermal Degradation and kinetic potential of Mangifera indica Lam, Artocarpus Hetrophyllus Lam and Syzygium Jambolana Seeds for Energy Application. Bioresour Technol. 2021 ISSN: 0960-8524. <b>(Impact Factor: 11.8)</b>	2021	WOS& Scopus
27.	Bakshi A, Singh R, Rai U (2021). Trajectory of leptin and leptin receptor in vertebrates: Structure, function and their regulation. Comp Biochem Physiol B Biochem Mol Biol. 2021 Jul 31;257:110652. ISSN: 1096-4959 <b>(Impact Factor: 2.4)</b>	2021	WOS& Scopus
28.	Singh T, Alhazmi A, Mohammad A, Srivastava N, Haque S, Sharma S, Singh R, Yoon T, Gupta VK (2021). Integrated biohydrogen production via lignocellulosic waste: Opportunity, challenges & future prospects. Bioresour Technol. 2021 Jul 6;338:125511. ISSN: 0960-8524. <b>(Impact Factor: 11.8)</b>	2021	WOS& Scopus
29.	Dalal N, Jalandra R, Bayal N, Yadav AK, Harshulika, Sharma M, Makharia GK, Kumar P, Singh R, Solanki PR, Kumar A (2021). Gut microbiota-derived metabolites in CRC progression and causation. J Cancer Res Clin Oncol. 2021 Jul 17. ISSN:1432-1335 <b>(Impact Factor: 4.5)</b>	2021	WOS& Scopus
30.	Kumar P, Singh A B, Singh R (2021). Seasonal variation and size distribution in the airborne indoor microbial concentration of residential houses in Delhi and its impact on health. Aerobiologia 2021 Jul:1–14 ISSN:1573-3025 <b>(Impact Factor: 2.7)</b>	2021	WOS& Scopus
31.	Singh R, Alshaghdali K, Saeed A, Kausar MA, Aldakheel FM, Anwar S, Mishra D, Srivastava M (2021). Prospects of microbial-engineering for the production of graphene and its derivatives: Application to design nanosystems for cancer theranostics. Semin Cancer Biol. 2021 May	2021	WOS& Scopus

	18:S1044-579X(21)00147-4. ISSN: 1044-579X ( <b>Impact Factor: 17.0</b> )		
32.	Srivastava N, Srivastava M, Allahzmi A, Kausar T, Haque S, Singh R, Ramteke P W, Mishra P K, Tuohy M, Leitgev M, Gupta V K (2021). Technological advances for improving fungal cellulose production from food wastes for bioenergy application: A review. Environmental Pollution, (287)117370. ISSN: 0269-7491 ( <b>Impact Factor: 9.9</b> )	2021	WOS& Scopus
33.	Kumar P, Kausar MA, Singh AB, Singh R (2021). Biological contaminants in the indoor air environment and their impacts on human health. Air Qual Atmos Health. 2021;1-14. doi:10.1007/s11869-021-00978-z ISSN: 1873-9326 ( <b>Impact Factor: 5.8</b> )	2021	WOS& Scopus
34.	Kumar P, Singh R (2021). Novel coronavirus (severe acute respiratory syndrome coronavirus 2) as threat to general and reproductive health: Challenges and research needs. J Reprod Healthc Med 2021;2 (Suppl_1):S19-S25.ISSN (Print): 2768-1106, ISSN (Online): 2768-1114	2021	WOS& Scopus
35.	Yadav H, Rai U, Singh R (2021). Radiofrequency radiation: A possible threat to male fertility, Reproductive Toxicology (100) 90-100. ISSN 0890-6238 ( <b>Impact Factor: 3.1</b> )	2021	WOS& Scopus
36.	Negi P, Singh R (2021). Association between reproductive health and nonionizing radiation exposure. Electromagn Biol Med. 2021 Jan 2; 40(1):92-102. ISSN: 1536-8386 ( <b>Impact Factor: 2.8</b> )	2021	WOS& Scopus
37.	Srivastava N, Srivastava M, Abd Allah EF, Singh R, Hashem A, Gupta VK. Biohydrogen production using kitchen waste as the potential substrate: A sustainable approach (2021). Chemosphere. 2021 May;271:129537. doi: 10.1016/j.chemosphere.2021.129537. ISSN 0045-6535 ( <b>Impact Factor: 8.9</b> )	2021	WOS& Scopus
38.	Srivastava, N., Shrivastav, A., Singh, R., Abohashrh, M., Srivastava, K. R. et al. (2021). Advances in the Structural Composition of Biomass: Fundamental and Bioenergy Applications. Journal of Renewable Materials, 9(4), 615–636. ISSN: 2164-6325. ( <b>Impact Factor: 2.1</b> )	2021	WOS& Scopus
39.	N Dalal, Jalandra R, Sharma M, Prakash H, Makharia G K, Solanki P R, Singh R, Kumar A(2020). Omics technologies for improved diagnosis and treatment colorectal cancer: Technical advancement and major perspectives (2020). Biomedicine & Pharmacotherapy. ISSN: 0753-3322. ( <b>Impact Factor: 7.4</b> )	2020	WOS& Scopus
40.	Gupta S, Sharma RS, Singh R. Non-ionizing radiation as possible carcinogen (2020). Int J Environ Health Res. 2020 Sep 4:1-25. doi: 10.1080/09603123.2020.1806212. Epub ahead of print. PMID: 32885667. ISSN: 0960-3123 (Print) 1369-1619 (Online). ( <b>Impact Factor: 4.4</b> )	2020	WOS& Scopus
41.	Singh R, Singh A. WEEDS: An important source of natural medicine (2020). Journal of Drug Metabolism & Toxicology 11:247. ISSN:2157-7609. ( <b>Impact Factor: 2.1</b> )	2020	WOS& Scopus
42.	Jalandra R, Yadav A K, Verma D, Dalal N, Sharma M, Singh R, Kumar A, Solanki P R (2020). Strategies and perspectives to develop SARS-CoV-2 detection methods and diagnostics. Biomed Pharmacother. 2020;129:110446. ISSN: 0753-3322. ( <b>Impact Factor: 7.4</b> )	2020	WOS& Scopus
43.	Srivastava N, Srivastava M, Mishra PK, Kausar MA, Saeed M, Gupta VK, Singh R, Ramteke PW (2020). Advances in nanomaterials induced biohydrogen production using waste biomass. Bioresour Technol. 2020 Jul;307:123094. ISSN: 0960-8524. ( <b>Impact Factor: 11.8</b> )	2020	WOS& Scopus
44.	Singh R, Nath B, Mathur AK, Sharma RS. (2020). Effect of Radio frequency Radiation on Reproductive Health. Indian Journal of Medical	2020	WOS& Scopus

	Research 148(Suppl):S92-S99 ISSN: 0971-5916. <b>(Impact factor: 5.2)</b>		
45.	Saeed M, Kausar MA, Singh R, Siddiqui AJ, Akhter A (2020). The Role of Glyoxalase in Glycation and Carbonyl Stress Induced Metabolic Disorders. <i>Curr Protein Pept Sci.</i> 2020;21(9):846-859. ISSN: 1389-2037 <b>(Impact factor: 3.2)</b>	2020	WOS& Scopus
46.	Sharma RS, Mathur AK, Singh R, Das HC, Toor DPS, Singh G and Guha SK (2019). Safety and efficacy of an intravasal, onetime injectable, non-hormonal male contraceptive RISUG: a clinical experience. <i>Indian Journal of Medical Research</i> ;150 (1):81-86 ISSN: 0971-5916. <b>(Impact factor: 5.2)</b>	2019	WOS& Scopus
47.	Sharma RS, Saxena R, Singh R (2019). Infertility & assisted reproduction: A historical & modern scientific perspective. <i>Indian Journal of Medical Research</i> 2018 2018; 148(Suppl):S10-S14 ISSN: 0971-5916. <b>(Impact factor: 5.2)</b>	2019	WOS& Scopus
48.	Singh A and Singh R (2013). QSAR and its Role in Target-ligand Interaction. <i>The Open Bioinformatics Journal</i> 7: 63-67 ISSN: 1875-0362. <b>(Impact factor: 1.5)</b>	2013	WOS& Scopus
49.	Singh R and Rai U (2011). Immunomodulatory role of urotensins in teleost <i>Channapunctatus</i> . <i>General and Comparative Endocrinology</i> 170: 613-621 ISSN: 0016-6480. <b>(Impact factor: 3.267)</b>	2011	WOS& Scopus
50.	Singh R and Rai U (2010). Kappa-opioid receptor mediated modulation of innate immune response by dynorphin in teleost <i>Channapunctatus</i> . <i>Peptides</i> 31: 973-978 ISSN: 0196-9781. <b>(Impact factor: 3.8)</b>	2010	WOS& Scopus
51.	Singh R and Rai U (2010). Opioid and non-opioid receptor-mediated immunoregulatory role of Leucine-enkephalin in teleost <i>Channapunctatus</i> . <i>Fish and Shellfish Immunology</i> 28: 872-878 ISSN: 1050-4648. <b>(Impact factor: 4.6)</b>	2010	WOS& Scopus
52.	Singh R and Rai U (2009). Delta opioid receptor-mediated immunoregulatory role of Methionine-enkephalin in freshwater teleost <i>Channapunctatus</i> (Bloch.). <i>Peptides</i> 30: 1158-1164 ISSN: 0196-9781. <b>(Impact factor: 3.8)</b>	2009	WOS& Scopus
53.	Singh R and Rai U (2008). $\beta$ -Endorphin regulates diverse functions of splenic phagocytes through different opioid receptors in freshwater fish <i>Channapunctatus</i> (Bloch): An in vitro study. <i>Developmental and Comparative Immunology</i> 32: 330-338. ISSN: 0145-305X. <b>(Impact factor: 3.7)</b>	2008	WOS& Scopus
54.	Roy B, Singh R, Kumar S and Rai U (2008). Diurnal variation in phagocytic activity of splenic phagocytes in freshwater teleost <i>Channapunctatus</i> : melatonin and its signaling mechanism. <i>Journal of</i>	2008	WOS& Scopus

Endocrinology 199: 471-480 ISSN: 0022-0795. (Impact factor: 4.6)		
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### Conference (National and International) /Symposia

Sr. N.	Paper details	Year	Listed In
1.	Gupta S, Sharma R S, Singh R. Contraceptives and family planning methods in the age of COVID-19.. International Conference on Challenges and Strategies in Reproductive and Environmental Health with Special Reference to COVID-19 Pandemic. Virtual Conference. Organized by Satyawati College, University of Delhi 19 <sup>th</sup> - 21 <sup>th</sup> February 2021	2021	Peer reviewed
2.	Himanshi, Sharma R S, Singh R. The Effects of COVID-19 on Pregnancy. International Conference on Challenges and Strategies in Reproductive and Environmental Health with Special Reference to COVID-19 Pandemic. ) Virtual Conference. Organized by Satyawati College, University of Delhi 19 <sup>th</sup> - 21 <sup>th</sup> February 2021	2021	Peer reviewed
3.	Kumar P, Singh R. Effects of Novel Coronavirus (SARS-CoV-2) on general and Reproductive Health. International Conference on Challenges and Strategies in Reproductive and Environmental Health with Special Reference to COVID-19 Pandemic Virtual Conference. Organized by Satyawati College, University of Delhi 19 <sup>th</sup> - 21 <sup>th</sup> February 2021	2021	Peer reviewed
4.	Jangid P, Sharma R S, Singh R. Association between ovarian follicles alteration and Electromagnetic Radiation. International Conference on Challenges and Strategies in Reproductive and Environmental Health with Special Reference to COVID-19 Pandemic.Virtual Conference. Organized by Satyawati College, University of Delhi 19 <sup>th</sup> - 21 <sup>th</sup> February 2021	2021	Peer reviewed
5.	Kaur P, Sharma R S, Singh R. Perspectives on Maternal Health Care Services and Safe Motherhood during the COVID-19 pandemic. International Conference on Challenges and Strategies in Reproductive and Environmental Health with Special Reference to COVID-19 Pandemic. Virtual Conference. Organized by Satyawati College, University of Delhi 19 <sup>th</sup> - 21 <sup>th</sup> February 2021	2021	Peer reviewed
6.	Ajeet, Kumar A, Singh R, Sharma R S. Role of Data Mining in Biomedical Sciences: Current Applications and Further Prospectives for Research. World Congress on Reproductive Health with Special Emphasis in Reproductive Cancers, Infertility and Assisted Reproduction, Organized by Shri Mata Vaisno Devi University SMVDU), Jammu (India), 14 <sup>th</sup> - 16 <sup>th</sup> February 2020	2020	Peer reviewed
7.	Srivastava V, Ajeet, Sharma R S, Singh R.Wireless Internet and Male Infertility: An Update. World Congress on Reproductive Health with Special Emphasis in Reproductive Cancers, Infertility and Assisted Reproduction, Organized by Shri Mata Vaisno Devi University SMVDU), Jammu (India), 14 <sup>th</sup> - 16 <sup>th</sup> February 2020	2020	Peer reviewed
8.	Gupta S, Ajeet, Sharma R S, Singh R.Effects and Patterns Of Cell Phone-induced Infertility in Male & Female. World Congress on Reproductive Health with Special Emphasis in Reproductive Cancers, Infertility and Assisted Reproduction, Organized by Shri Mata Vaisno Devi University SMVDU), Jammu (India), 14 <sup>th</sup> - 16 <sup>th</sup> February 2020	2020	Peer reviewed
9.	Kumar P, Ajeet, Sharma R S, Singh R.Ambient Air Pollution and its Effect on Fertility: A Review of Literature.World Congress on Reproductive Health with Special Emphasis in Reproductive Cancers, Infertility and Assisted Reproduction, Organized by Shri Mata Vaisno Devi University	2020	Peer reviewed

	SMVDU), Jammu (India), 14 <sup>th</sup> - 16 <sup>th</sup> February 2020		
10	Negi P, Ajeet, Sharma R S, Singh R. Increasing Risk of Women Reproductive Health, Can it be due to 125 Occupational Factors? World Congress on Reproductive Health with Special Emphasis in Reproductive Cancers, Infertility and Assisted Reproduction, Organized by Shri Mata Vaisno Devi University SMVDU), Jammu (India), 14 <sup>th</sup> - 16 <sup>th</sup> February 2020	2020	Peer reviewed
11	Srivastava V, Ajeet, Sharma R S, Singh R. Mobile Phone Radiation and Brain Tumors: Classified as probable Human Carcinogen. World Congress on Cancer (WCC) 2020, Organized by Mahatma Gandhi Hospital and Medical College, Jaipur and NII Delhi. 3rd to 5th February, 2020	2020	Peer reviewed
12	Gupta S, Sharma R S, Singh R, Adverse effects of Radiofrequency radiation on Human Health: In- Vitro and In-Vivo mammalian studies. World Congress on Cancer (WCC) 2020, Organized by Mahatma Gandhi Hospital and Medical College, Jaipur and NII Delhi. 3rd to 5th February, 2020	2020	Peer reviewed
13	Negi P, Ajeet, Sharma R S, Singh R. Exposure to electromagnetic fields (non ionizing radiation can cause Leukemia: Childhood and Adult Leukemia? World Congress on Cancer (WCC) 2020, Organized by Mahatma Gandhi Hospital and Medical College, Jaipur and NII Delhi. 3rd to 5th February, 2020	2020	Peer reviewed
14	Kumar P, Singh R. Monitoring of Aflatoxin producing fungi in Indoor air and their role in Cancer. World Congress on Cancer (WCC) 2020, Organized by Mahatma Gandhi Hospital and Medical College, Jaipur and NII Delhi. 3rd to 5th February, 2020	2020	Peer reviewed
15	Kumar P, Negi P and Singh R. Evaluation of fungal airspora from indoor sites and their impact on human health. 21st National Conference on Aerobiology, Organized by Department of Botany Vishwa-Bharti Santiniketan, West Bengal, November 18-20, 2019,	2019	Peer reviewed
16	Kumar P, Singh R. Microbiological Assessment of airborne fungi from indoor sites affecting human health. National CME on "Fungal infections: Recent Perspectives "Liver Infectious Diseases (LIDs), organized by ILBS, August 31, 2019	2019	Peer reviewed
17	Srivastava V, Singh R. Cell Phone Technology in modern era and its impact on Human Health: Systematic Review. National Conference on biotechnology in Present Era: Impact on Human life and Environment. Organized by Maitreyi College, University of Delhi, August 23, 2019.	2019	Peer reviewed
18	Kumar P, Singh R. Assessment of Microbiological Contamination from Indoor air in Delhi residence. National Conference on biotechnology in Present Era: Impact on Human life and Environment. organized by Maitreyi College, University of Delhi, August 23, 2019.	2019	Peer reviewed
19	Gupta S, Singh R, Ajeet, Mathur A K, Sharma R S. Does Cell Phone Radiation Affect the Male Reproductive Health? Global conference on Reproductive Health with focus on Occupational, Environmental and Lifestyle Factors Organized by Department of Obstetrics & Gynecology, AIIMS, New Delhi, India from 22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019.	2019	Peer reviewed
20	Srivastava V, Singh R, Ajeet, Mathur A K, Sharma R S. Occupational and Residential Electromagnetic Radiation Exposure and Reproductive Health of Women. Global conference on Reproductive Health with focus on Occupational, Environmental and Lifestyle Factors Organized by Department of Obstetrics & Gynecology, AIIMS, New Delhi, India from 22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019.	2019	Peer reviewed
21	Ajeet, Singh R, Agrawal S K, Nath R, Sharma R S. EMF Radiation: Dosimetry and Effect on Reproductive Health. Global conference on Reproductive Health with focus on Occupational, Environmental and	2019	Peer reviewed

	Lifestyle Factors Organized by Department of Obstetrics & Gynecology, AIIMS, New Delhi, India from 22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019.		
22	Kumar P, Singh R, Ajeet, Sharma R S. Ambient Air Pollution and its Effects on Pregnancy: A Systematic Review. Global conference on Reproductive Health with focus on Occupational, Environmental and Lifestyle Factors Organized by Department of Obstetrics & Gynecology, AIIMS, New Delhi, India from 22 <sup>nd</sup> - 24 <sup>th</sup> Feb 2019.	2019	Peer reviewed
23	Singh R, Ajeet, Nath R, Agrawal SK, Mathur AK, Sharma RS. Excessive Electromagnetic Radiation in the Environment may cause Physiological Changes Including Altered Sperm Morphology. World Congress on Reproductive Health with Emphasis on Family Planning and Assisted Reproductive Technology held in CSIR-Indian Institute of Chemical Technology, Hyderabad from 23 <sup>rd</sup> -25 <sup>th</sup> February, 2018.	2018	Peer reviewed
24	Singh R, Ajeet, Nath R, Agrawal SK, Mathur AK, Sharma RS. Exposure to Low Frequency Electromagnetic Radiation and Reproductive Health: A Review. World Congress on Reproductive Health with Emphasis on Family Planning and Assisted Reproductive Technology held in CSIR-Indian Institute of Chemical Technology, Hyderabad from 23 <sup>rd</sup> -25 <sup>th</sup> February, 2018.	2018	Peer reviewed
25	Nath R, Agrawal SK Ajeet, Singh R, Mathur AK, Sharma RS. Historical Prospective of communication Technology and its Impact on Reproductive Health: Present Scenario. World Congress on Reproductive Health with Emphasis on Family Planning and Assisted Reproductive Technology held in CSIR-Indian Institute of Chemical Technology, Hyderabad from 23 <sup>rd</sup> - 25 <sup>th</sup> February, 2018.	2018	Peer reviewed
26	Singh R, Nath R, Mathur AK, Sharma RS. A New Generation Environmental Pollutant: Non-ionizing electromagnetic Radiation and Reproductive Health. International Conference on Reproductive Health with Emphasis on Strategies for Infertility, Assisted Reproduction and Family Planning held in All India Institute of Medical Sciences (AIIMS), New Delhi from 23 <sup>rd</sup> -25 <sup>th</sup> January, 2017.	2017	Peer reviewed
27	Nath R, Singh R, Mathur AK, Sharma RS. Long term effect of radio frequency radiation emitted from cell phone with reference to oxidative stress and its effect on male reproductive parameters. International Conference on Reproductive Health with Emphasis on Strategies for Infertility, Assisted Reproduction and Family Planning held in All India Institute of Medical Sciences (AIIMS), New Delhi from 23 <sup>rd</sup> -25 <sup>th</sup> January, 2017	2017	Peer reviewed
28	Singh R, Nath R, Singh BK, Mathur AK, Sharma RS. Possible Influence Of Radio Frequency Electromagnetic Field Emitted From Cell Phone Tower On Health. International Conference on Repromics - Omics In Reproduction And Development held in Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, Kerla from February 07-09, 2013.	2013	Peer reviewed
29	Sharma RS, Singh R and Nath R. Effect of radio-frequency radiation (RFR) emitted from cell phone and cell phone tower on human health with special reference to reproduction. National Symposium on Changing Environment & Lifestyle: Impact on Reproductive Health held All India Institute of Medical Sciences (AIIMS), New Delhi, 19 <sup>th</sup> & 20 <sup>th</sup> November, 2013.	2013	Peer reviewed
30	Nath R, Singh R, Saxena R, Mathur AK, Singh BK, Sharma RS. The Adverse Effects of Radio Frequency Radiation emitted from Cell Phone on Reproduction. "International Conference on Repromics - Omics In Reproduction And Development" held in Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, Kerla from February 07-09, 2013	2013	Peer reviewed
31	Singh R, Nath R, Singh BK, Mathur AK, Sharma RS. Non-ionizing electromagnetic field (EMF) emitted from cell phone tower and human	2012	Peer reviewed

	health: current scenario. International Conference on Reproductive Health with Emphasis on Strategies for Family Planning held in All India Institute of Medical Sciences (AIIMS), ICMR, New Delhi from February 19-21, 2012.		
32	Nath R, Singh R, Saxena R, Mathur AK, Singh BK, Sharma RS. The adverse effects of radiofrequency radiation (RFR/EMF) by cell phone on human health: A critical review and future action to protection. International Conference on Reproductive Health with Emphasis on Strategies for Family Planning held in All India Institute of Medical Sciences (AIIMS), ICMR, New Delhi from February 19-21, 2012.	2012	Peer reviewed
33	Singh BK, Sharma RS, Mathur AK and Singh R. The ill effects of environmental pollution on Reproductive Health and beyond. National Seminar on New Frontiers in Environmental Pollutants, Health & Application of Molecular Genetics held in Mahavir Cancer Sansthan and Research Center, Patna, from January, 21-22, 2012.	2012	Peer reviewed
34	Sharma RS, Singh R. and Nath R. Effect of radio-frequency radiation emitted from cell phone and cell phone tower on human health with special reference to reproduction. NATIONAL CONFERENCE on Frontiers In Reproductive Biotechnology & 21st Annual Meeting Of The Indian Society For The Study Of Reproduction & Fertility held in National Dairy Research Institute, Karnal from February 9-11, 2011.	2011	Peer reviewed
35	Singh R and Rai U. Leucine-enkephalin modulates the innate immune response of teleost <i>Channapunctatus</i> . NSCERP: Current advances, Institute of Science, Mumbai, 2010.	2010	Peer reviewed
36	Singh R and Rai U. Immuno-modulatory role of Leucine-enkephalin in teleost <i>Channapunctatus</i> : involvement of opioid and non-opioid receptors. "16 <sup>th</sup> International Congress of Comparative Endocrinology" held in Hong Kong, China from 22-26 June, 2009.	2009	Peer reviewed
37	Singh R and Rai U. Role of opioid peptides in regulation of splenic phagocyte activities in teleosts fish <i>Channapunctatus</i> : An in vitro study. International Conference on Fish Diseases and Fish Immunology held in Reykjavik, Iceland from 6-9 September 2008.	2008	Peer reviewed
38	Singh R and Rai U. Involvement of $\delta$ -opioid receptor in mediating methionine-enkephalin effect on innate immune response in teleost fish <i>Channapunctatus</i> . International Structural Neuroscience Conference on Peptides held in Department of Pharmaceutical Science, Nagpur University, India from February 2-3, 2008.	2008	Peer reviewed
39	Singh R and Rai U. Specialized function-related involvement of specific-opioid receptors in mediating beta-endorphin effect on fish splenic phagocytes. National Symposium on Comparative Endocrinology & Reproductive Physiology, Insights and Challenges held in VisvaBharti University, Santiniketan, India From 26-28 November, 2007.	2007	Peer reviewed
40	Singh R and Rai U. Beta-endorphin via same specific opioid receptor differentially modulate macrophage phagocytic and cytotoxic activity in <i>Channapunctatus</i> . National Symposium on An Update of Reproductive Endocrinology: Novel and Applied Strategies held in Department of Zoology, Banaras Hindu University, Varanasi, India From 26-28 February, 2007.	2007	Peer reviewed
41	Singh R and Rai U. Role of neuropeptide, beta-endorphin in control of innate immune response in murrel, <i>Channa punctatus</i> . XV International Congress of Comparative Endocrinology (ICCE) held in Boston, USA from 23 -27 May, 2005.	2005	Peer reviewed

# INVITED TALKS

Sr. No	Title	Date
1	Invited talk in National Water Mission on the topic 'Catch the Rain' campaign by Government of India	24 Feb, 2021
2	Chairperson. World Congress on Reproductive Health with Special Emphasis in Reproductive Cancers, Infertility and Assisted Reproduction, Organized by Shri Mata Vaisno Devi University SMVDU), Jammu (India)	14 <sup>th</sup> - 16 <sup>th</sup> February 2020.
3	Keynote speaker. Electromagnetic Radiation and Reproductive Health: Current Scenario. 2nd International Conference of Interdisciplinary Science (ICIS – 2018) and 1st Annual Meeting of International Society of Food, Health and Informatics (IFhi) – 2018) Varanasi, India	23-24th December 2018,
4	Chairperson. Global Conference on Reproductive Health with focus on Occupational, Environmental and Lifestyle Factors Organized by Department of Obstetrics & Gynecology, AIIMS, New Delhi from	22 <sup>nd</sup> -24 <sup>th</sup> February, 2019.
5	Keynote Speaker. Radiofrequency Radiation and Environmental Health. "2 <sup>nd</sup> National Seminar on Current trends in Life Sciences", Amity Institute of Biotechnology, Amity University, Gwalior	27 <sup>th</sup> Feb 2019.
6	Chairperson. Environment, Genetics, ART & Reproduction. World Congress on Reproductive Health with Emphasis on Family Planning and Assisted Reproductive Technology held in CSIR-Indian Institute of Chemical Technology, Hyderabad from	23 <sup>rd</sup> - 25 <sup>th</sup> February, 2018.
7	Keynote Speaker. Environment, Life Style and Reproductive Health. International Conference & Integrated Meeting On Prospective Of Medical, Food, Pharma& Agro Technology: From Health To Wealth & Future Challenges", Rajiv Gandhi South Campus, Banaras Hindu University.	19 <sup>th</sup> & 20 <sup>th</sup> February, 2018.
8	Invited Speaker. Electromagnetic Radiation And Reproductive Health. National Seminar on Reproductive Health Awareness for Adolescent held in Birla Balika Vidyapeeth, Pilani, Rajasthan.	10 <sup>th</sup> & 11 <sup>th</sup> September, 2016.