

Google Scholar SCOPUS Publication Summary h-index 32 h-index 27 Total Peer review					
110 i10-index	57 ID 2433	2073300	First author	30	
Citation	3900	Citation	2191	Corresponding author	42
Total Book(s):- 7 (Peer review International) Book Chapter:- 30 (Peer reviewed International)					
# A list of papers on RF EMF presented here are out of 110 papers.					
Google Scholar:- https://scholar.google.com/citations?user=r9f4Q_4AAAAJ&hl=en					
PUBMED:- https://pubmed.ncbi.nlm.nih.gov/?term=kavindra+kesari					
SCOPUS:- https://www.scopus.com/authid/detail.uri?authorId=24332073300					
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Finland

Radiofrequency Radiation Journal Publications

1. Vyas R, **Kesari KK** (*Corresponding Author*), Slama P, Roychoudhury S, Sisodia R (2022) Differential activity of antioxidants in testicular tissues following administration of chlorophytum borivilianum Sant. F in gamma irradiated Swiss Albino mice. *Frontiers in Pharmacology* (accepted/ in press) (*Impact factor 6.0*).
2. Raj S, **Kesari KK**, Kumar A, Rathi B, Sharma A, Gupta PK, Jha SK, Jha NK, Slama P, Roychoudhury S, Kumar D. (2022) Molecular Mechanism(s) of regulation(s) of c-MET/HGF Signaling in Head and Neck Cancer. *Molecular Cancer (BMC)*. (Accepted/ In press) (*Impact factor 41.5*).
3. Jha NK, Arfin S, Jha SK, Kar R, Dey A, Gundamaraju R, Ashraf GM, Gupta PK, Dhanasekaran S, Abomughaid MM, Das SS, Singh SK, Dua K, Roychoudhury S, Kumar D, Ruokolainen J, Ojha S, **Kesari KK** (*Corresponding Author*) (2022). Re-establishing the comprehension of phytomedicine and nanomedicine in inflammation-mediated cancer signaling. *Seminars in Cancer Biology*. In press/ Accepted (*Impact Factor: 17.01*)
4. Roychoudhury S, Das A, Selvam MKP, Chakraborty S, Slama P, Sikka SC, **Kesari KK**. (2022). Recent publication trends in radiotherapy and male infertility over two decades: A scientometric analysis. *Frontiers in Cell and Developmental Biology*. In press (*Impact factor: 6.08*)

5. Roychoudhury S, Chakraborty S, Choudhury AP, Das A, Jha NK, Slama P, Nath M, Massanyi P, Ruokolainen J, **Kesari KK**. (2021) Environmental Factors-Induced Oxidative Stress: Hormonal and Molecular Pathway Disruptions in Hypogonadism and Erectile Dysfunction. *Antioxidants* (Basel). 2021 May 24;10(6):837. (Impact factor 7.67)
6. **Kesari KK** (*Corresponding Author*), Dhasmana A, Shandilya S, Prabhakar N, Shaikat A, Dou J, Rosenholm JM, Vuorinen T, Ruokolainen J. (2020) Plant-Derived Natural Biomolecule Picein Attenuates Menadione Induced Oxidative Stress on Neuroblastoma Cell Mitochondria. *Antioxidants* **2020**, 9, 552. (Impact factor 7.67)
7. Narayanan SN, Jetti R, **Kesari KK**, Kumar RS, Nayak SB, Bhat PG. (2019) Radiofrequency electromagnetic radiation-induced behavioral changes and their possible basis. *Environmental Science Pollution Research Int.* 26(30):30693-30710. (Impact factor 5.19)
8. **Kesari KK**, Agarwal A, Henkel R (2018) Radiations and male Fertility. *Reproductive biology and Endocrinology* 16, 118 (Impact Factor-5.21).
9. Jonwal CL, Sisodia R, Sexena VK, **Kesari KK** (*Corresponding author*). (2018) Effect of 2.45 GHz microwave radiation on the fertility pattern in male mice. *General Physiology and Biophysics* 37(4):453-460 (Impact Factor-1.95).
10. Sharma A, **Kesari KK** (*Corresponding author*), Saxena VK, Sisodia R (2017) 10 GHz microwave radiation impairs spatial memory, enzymes activity and histopathology of developing mice brain. *Molecular and Cellular biochemistry.* 435(1-2):1-13 (impact factor- 3.84).
11. Naarala J, **Kesari KK**, McClure I, Chavarriaga C, Juutilainen J, Martino CF. (2017) Directiondependent effects of combined static and ELF magnetic fields on cell proliferation and superoxide radical production. *Biomed Research International.* Vol. 2017, Article ID 5675086, 18 pages (impact factor- 3.41)
12. Sharma A, **Kesari KK** (*Corresponding author*), Saxena VK, Sisodia R. (2017). The influence of prenatal 10 GHz microwave radiation exposure on a developing mice brain. *Gen. Phy. Biophy.* 36: 41-51 (Impact Factor-1.95).
13. **Kesari KK** (*corresponding author*), Juutilainen J, Luukkonen J, Naarala J. (2016) Induction of micronuclei and superoxide production in neuroblastoma and glioma cell lines exposed to weak 50 Hz magnetic fields. *Journal of Royal Society Interface* 13(114): 1-10 (impact factor- 4.29).
14. Agarwal A, Durairajanayagam D, Tatagari S, Esteves S, Harlev A, Henkel R, Roychoudhury S, Homa S, Puchalt N, Ramasamy R, Majzoub A, Ly K, Tvrda E, Assidi M, **Kesari K.K**, Sharma R, Hani S, Ko E, Elmagd M, Gosalvez J, Bashiri A. (2016). Bibliometrics - Tracking research impact by selecting the appropriate metrics. *Asian Journal of Andrology.* 18(2):296-309 (impact factor- 3.28)
15. Chauhan P, Verma H.N, Sisodia R, **Kesari K.K.** (*corresponding author*) (2016). Microwave radiation (2.45 GHz) induced oxidative stress: Whole body exposure effect on histopathology of Wistar rats. *Electromagnetic Biology and Medicine.* 36(1): 20-30 (Impact Factor-2.88).

16. **Kesari KK** (*corresponding author*), Luukkonen J, Juutilainen J, Naarala J. (2015). Genomic instability induced by 50 Hz magnetic fields is a dynamically evolving process not blocked by antioxidant treatment. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*. 794: 46-51. (*impact factor- 2.87*)
17. **Kesari K.K**, (*corresponding author*) Meena R, Nirala J, Kumar J, Verma H.N. (2014). Effect of 3G Cell Phone Exposure with Computer Controlled 2-D Stepper Motor on Non-Thermal Activation of the hsp27/p38MAPK Stress Pathway in Rat Brain. *Cell Biochemistry and Biophysics* 68 (2), 347-358 (*impact factor- 3.0*)
18. Meena R, Kajal K, Kumar J, Paulraj R, Verma HN, **Kesari KK**. (*corresponding author*) (2014). Therapeutic Approaches of Melatonin in Microwave Radiations Induced Oxidative Stress Mediated Toxicity on Male Fertility Pattern of Wistar Rats. *Electromagnetic Biology and Medicine*, 33 (2), 81-91 (*Impact Factor-2.88*).
19. **Kesari K.K**, (*corresponding author*) Siddiqui M.H., Meena R., Verma H.N., Kumar S. (2013). Cell phone radiation exposure on brain and associated biological systems. *Indian Journal of Experimental Biology*. 51(3):187-200 (*impact factor- 1.3*)
20. **Kesari K.K**, (*corresponding author*) Kumar S, Nirala J, Siddiqui MH, Behari J. (2013) Biophysical Evaluation of Radiofrequency Electromagnetic Field Effects on Male Reproductive Pattern. *Cell Biochemistry and Biophysics* 65(2), 85-96 (*impact factor- 3.0*).
21. **Kesari K.K**, Kumar S and Behari J. (2012) Evidence for mobile phone radiation exposure effects on reproductive pattern of male rats: Role of ROS. *Electromagnetic Biology and Medicine*, 31 (3), 213-222 (*Impact Factor-2.88*)
22. **Kesari K.K**, Kumar S and Behari J. (2012). Pathophysiology of Microwave Radiation: Effect on Rat Brain. *Applied Biochemistry and Biotechnology*, 166(2):379-88 (*Impact Factor- 3.09*).
23. **Kesari K.K**, Kumar S and Behari J (2011) 900-MHz Microwave Radiation Promotes Oxidation in Rat Brain. *Electromagnetic Biology and Medicine* 30(4), 219-234 (*Impact Factor-2.88*).
24. **Kesari K K**, Kumar S and Behari J. (2011). Effects of radiofrequency electromagnetic waves exposure from cellular phone on reproductive pattern in male Wistar rats. *Applied Biochemistry and Biotechnology*, 164:546–559 (*Impact Factor-3.09*).
25. Kumar S, **Kesari K** (*equally contributed*) and Behari J. (2011). The Influence of Microwave Exposure on Male Fertility, *Fertility and sterility* 15;95(4):1500-2. (*Impact Factor-7.49*)
26. Agarwal A, Singh A, Hamada A, **Kesari KK** (2011) Cell Phones and Male Infertility: A Review of Recent Innovations in Technology and Consequences. *International Brazilian Journal of Urology* 37 (4): 432-454 (*Impact Factor- 1.54*).
27. Kumar S, **Kesari K K** (*equally contributed*) and Behari J. 2011. Synergistic effect of 2.45 GHz and pulsed magnetic field on reproductive pattern of male Wistar rats. *CLINICS* 66 (7), 1237-1245 (*Impact Factor-4.9*).
28. **Kesari K K**, Kumar S and Behari J. (2010). Mobile phone usage and male infertility in Wistar rats. *Indian Journal of Experimental Biology*, 48 (10); 987-992 (*Impact Factor-1.3*)

29. **Kesari K.K**, Behari J and Kumar S. (2010). Mutagenic response of 2.45GHz radiation exposure on rat brain, *International Journal of Radiation Biology*, 86 (4): 334-343. (Impact Factor-3.35)
30. **Kesari K.K** and Behari J. (2010). Microwave exposure affecting reproductive system in male rats, *Applied Biochemistry and Biotechnology*, 162: 416-28. (Impact Factor-3.19)
31. **Kesari K. K** and Behari J. (2010). Effect of Microwave at 2.45 GHz Radiations on Reproductive System of Male Rats. *Toxicological and Environmental Chemistry* 92(6): 1135-47. (Impact Factor-1.56)
32. Kumar S, **Kesari K.K** (*equally contributed*) and Behari J. (2010). Evaluation of genotoxic effects in male wistar rats following microwave exposure, *Indian Journal of Experimental Biology* 48: 586-92 (Impact Factor-1.3)
33. Desai N, **Kesari KK** and Agarwal A. (2009). Pathophysiology of cell phone radiation: oxidative stress and carcinogenesis with focus on male reproductive system, *Reproductive Biology and Endocrinology*, 7: 114-22. (Impact Factor-5.21)
34. **Kesari K.K.** and Behari J. (2009) Fifty microwave exposure effect of Radiations on Rat Brain, *Applied Biochemistry and Biotechnology* 158: 126-139. (Impact Factor-3.19).

CHAPTERS CONTRIBUTED IN BOOK(S) (PEER REVIEWED & INTERNATIONAL)

1. Das S, Roychoudhury S, Dey A, Jha NK, Kumar D, Roychoudhury S, Slama P, **Kesari KK**. (2022) Bacteriospermia and male infertility: Role of oxidative stress. In: Oxidative stress and toxicity in reproductive biology and medicine: A comprehensive update on male infertility- Vol. I. Edited by Kesari KK, Roychoudhury S (Eds.), *Advances in Experimental Medicine and Biology*; 1358 (Impact Factor 3.65)
2. Maurya S, **Kesari KK**, Roychoudhury S, Kolleboyina J, Jha NK, Jha SK, Sharma A, Kumar A, Rathi B, Kumar D. (2022) Metabolic dysregulation and sperm motility in male infertility. In: Oxidative stress and toxicity in reproductive biology and medicine: A comprehensive update on male infertility- Vol. I. Edited by Kesari KK, Roychoudhury S (Eds.), *Advances in Experimental Medicine and Biology*; 1358 (Impact Factor 3.65)
3. Sarkar D, Dutta S, Roychoudhury S, Poduval P, Jha NK, Dhal PK, Roychoudhury S, **Kesari KK**. (2022). Pathogenesis of viral infections and male reproductive helath: An evidence-based study. In: Oxidative stress and tocity in reproductive biology and medicine: A comprehensive update on male infertility- Vol. I. Edited by Kesari KK, Roychoudhury S (Eds.), *Advances in Experimental Medicine and Biology*; 1358 (Impact Factor 3.65)
4. **Kesari KK. et al.** (2017) Induction of LPO and ROS Production in Rat Brain Exposed to Microwaves: Computational Elucidation of Melatonin in Repair System. In: Kesari K. (Ed.) Perspectives in Environmental Toxicology. Springer International Publishing, Switzerland, p. 31-46, doi: 10.1007/978-3-319-46248-6_2
5. Sharma A, **Kesari KK**, Verma HN, Sisodia R. (2017) Neurophysiological and Behavioral Dysfunctions After Electromagnetic Field Exposure: A Dose Response Relationship. In: Kesari K. (Ed.) Perspectives in Environmental Toxicology. Springer International Publishing, Switzerland, p. 01-30, doi: 10.1007/978-3-319-46248-6_1.

6. **Kesari KK (2016)** Dose response relationship between radio frequency electromagnetic field and male fertility pattern. ISSRF Newsletter. Book: Environmental impacts on reproductive health. Published by the Indian Society for the study of reproduction and fertility, Edited by Prof. N.K. Goyal Issue 18: 23-27.
7. **Kesari, K.K.,** Behari, J. (2008) Comparative Study of 900 MHz and 2.45 GHz Radiation Effect on Reproductive System of Male Rats, ISSRF, *published from Indian Council of Medical Research*, 277-291.
8. Behari, J and **Kesari, K.K.,** Radiation Treatment of Industrial Waste Water, *Environmental Biophysics*, (chapter in book) 2006, (7) 152-165.

PAPERS/ABSTRACTS PUBLISHED IN INTERNATIONAL CONFERENCE PROCEEDINGS

1. **Kesari KK.,** Behari J. Whole body 900 MHz radiation exposure effect on enzyme activity in male wistar rats, *Proceedings of the XXIXth URSI General Assembly* to be Held in Chicago, IL, USA, August 7-16, 2008. (full paper online)
2. **Kesari K K** and Behari J, 50GHz Microwave Exposure Effect of Radiations on offspring and rats Brain, *International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMWTHz)*: 978-1-4244-2120-6/08/\$25.00©2008 IEEE. (full paper online)
3. **Kesari KK** and Behari J, Effect of mobile phone radiation exposure on reproductive system of male rats, *Proceedings of International conference on microwave*, 978-1-4244-26904444/08/\$25.00©2008 IEEE. (full paper online)
4. **Kesari KK,** Behari J, Kumar S. Microwave Exposure to Male Reproductive Pattern and Infertility. *Biology of Reproduction* **81**: 633. (2009) (Abstract/online)
5. **Kesari KK,** Kumar S, Behari J. Biomarkers inducing changes due to microwave exposure effect on rat brain. *Proceedings of the XXX URSI General Assembly*, Istanbul, Turkey on August 13-20, 2011 (full paper online).
6. **Kesari KK,** Kumar S, Behari J (2011). Biochemical Changes Due to Microwave Exposure Effect on Rat Brain. *International Conference on Biomarkers & Clinical Research 2010, OMICS publishing group* (doi:10.4172/2155-9929.1000038) (abstract online)
7. **Kesari KK,** Behari J (2012). Microwave exposure effect on reproductive pattern in male Wistar rats. International conference on reproductive health with emphasis on strategies for family planning. 22nd Annual meeting of the Indian Society for the study of reproduction and fertility (ISSRF). 19-21 February, 2012, ICMR, New Delhi. (Abstract)

Published Books/ Under Preparation

1. **Kesari KK (Corresponding Editor)** & Jha NK (Editor) (2021). Free Radical Biology and Environmental Toxicity. In book series "Molecular and Integrative Toxicology", Springer Nature. <https://www.springer.com/gp/book/9783030834456>
2. **Kesari KK (Corresponding Editor)** & Subhadeep Roychaudhary (Editor) (2021). Oxidative Stress and Toxicity in Reproductive Biology and Medicine – A Comprehensive Update on

- Male Infertility (**Volume-I**). In book series “Advances in Experimental Medicine and Biology”, Springer Nature. (Submitted/ In press) (*Impact Factor-3.65*).
3. **Kesari KK (Corresponding Editor)** & Subhadeep Roychaudhary (Editor) (2022). Oxidative Stress and Toxicity in Reproductive Biology and Medicine – A Comprehensive Update on Male Infertility (**Volume-II**). In book series “Advances in Experimental Medicine and Biology”, Springer Nature. (Approved/ under preparation) (*Impact Factor-3.65*).
 4. Subhadeep Roychaudhary and **Kesari KK (Corresponding Author)** (2022) Andrology and Environmental Toxicology. **Authored Book** in book series “Advances in Experimental Medicine and Biology”, Springer Nature. (Approved/ under preparation) (Impact Factor-2.6).
 5. **Kesari KK** (Editor). (2018) Networking of mutagens in Environmental Toxicology (Edited book). Springer Nature. <https://doi.org/10.1007/978-3-319-96511-6>
<https://www.springer.com/us/book/9783319965109>
 6. **Kesari KK** (Editor). (2017). Perspectives in Environmental Toxicology (Edited book). Springer International Publishing, Switzerland, p. 1-214, doi: 10.1007/978-3-319-46248-6. (<http://www.springer.com/in/book/9783319462479>)