## Brief Resume:

**Dr. Ankit Verma**

**Assistant Professor,**

**Stem Cell Research Center, Department of Hematology, I Block**

**Sanjay Gandhi Postgraduate Institute of Medical Sciences,**

**Lucknow-226014, India**

***Former* Sr. Post Doctoral Fellow**
**Hadassah Stem Cell Research Center,**
**Department of Obstetrics and Gynecology, Faculty of Medicine,**
**Hadassah Medical School, Hebrew University of Jerusalem, Israel**

**Professional Qualification,**

B.Sc., C.S.J.M. University, Kanpur, India (2006)

M.Sc, Dr. Ram Manohar Lohia Avadh University, Ayodhya (2008)

PhD, King George's Medical University in collaboration with CSIR-Indian Institute of Toxicology Research, Lucknow, India (2018)

**Work Experience**

**Assistant Professor,**

**Department of Hematology, Sanjay Gandhi Postgraduate Institute of Medical Sciences,Lucknow, India. ( Current Position, August 2026 to till date )**

Sr. Post-Doctoral Fellow; Hadassah Stem Cell Research Center, Faculty of Medicine, Hadassah Medical School, Hebrew University of Jerusalem, Jerusalem, Israel 12/2022 – 08/2026

Post-Doctoral Fellow; National Institute for Biotechnology in the Negev, Department of Life Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel 05/2019 – 10/2021

Research Associate; King George's Medical University, Lucknow, India 07/2018 – 04/2019

**Membership of Professional Bodies:**

American Society of Gene & Cell Therapy, U.S.A.

Society for Mitochondrial Research and Medicine, India

All-India Research Scholar's Association, India

Indian Photobiology Society, India

Society of Toxicology, India

**Editorial Board/Reviewer of reputed/indexed journals**

**Editor/Editorial Board of of reputed/indexed journals:**

Reviewing Editor, Springer Nature

International Journal of Inflammation, Wiley

Mediators of Inflammation, Wiley

**Reviewer of reputed/indexed journals:**

Scientific Reports, Nature

iScience, Cell Press

Molecular Therapy, Cell Press

Archives of Dermatological Research, Springer Nature

Skin Research and Technology, Wiley

BMC Molecular and Cell Biology

Data in Brief, Elsevier

3 Biotech, Springer Nature

BMC Research Notes

Cell Biochemistry and Biophysics, Springer Nature

## Awards & Honours:

Receive 2nd prize from Embassy of India in Tel Aviv, Israel during the Hindi diwas for quiz competition (2025)

Receive appreciation massage for our groundbreaking research from Embassy of India in Tel Aviv, Israel (2023)

Postdoctoral Fellowship by Hebrew University of Jerusalem, Israel (2022)

Prestigious Postdoctoral grant by the Haifa Brain and Behavior Hub, Haifa University, Israel (2022) (Awarded but not awail)

Postdoctoral Fellowship by the National Institute for Biotechnology in the Negev, Ben-Gurion University of the Negev, Israel (2019)

Research Associateship, Awarded by the Indian Council of Medical Research, New Delhi, India (2018)

Best Oral Presentation Award, in an International Conferenceon "*Future Prospectsof Advancement in Biological Sciences, Health Issues & Environmental Protection*" (2014)

ICMR-Fellowship, Awarded by the Indian Council of Medical Research, New Delhi India (2013)

Common Eligibility Test Qualified (CET-State Level) - conducted by Dr. Ram Manohar Lohia Awadh University, Ayodhya, India (2012)

First prize in Scientific Essay Writing on the occasion of Hindi week at CSIR-IITR, Lucknow (2012).

**Selected Publications:** **h-index-19 ; i10Index- 21**

Shteinfer-Kuzmine, Anna, **Ankit Verma***, Rut Bornshten, Eli Ben Chetrit, Ami Ben-Ya'acov, Hadas Pahima, Ethan Rubin, Yosef Mograbi, Eyal Shteyer, and Varda Shoshan-Barmatz. (2024) "Elevated serum mtDNA in COVID-19 patients is linked to SARS-CoV-2 envelope protein targeting mitochondrial VDAC1, inducing apoptosis and mtDNA release." Apoptosis, 29 (11): 2025-2046. *Equal First Author IF 9.2

**Ankit Verma***, Alessandra Zanoletti*, Kola Yusuff Kareem, Bashir Adelodun*, Pankaj Kumar, Fidelis Odedishemi Ajibade, Luis F. O. Silva, Ankur J Phillips, Thangathurai Kartheeswaran, Elza Bontempi & Ashish Dwivedi (2023),Skin protection from solar ultraviolet radiation using natural compounds: a review. Environmental Chemistry Letters,1-23. *Corresponding Author IF 25.2

**Ankit Verma**, Anna Shteinfer-Kuzmine, Nikita Kamenetsky, Srinivas Pittala, Avijit Paul, Edna N. Crystal, Alberto Ouro, Vered Chalifa-Caspi, Alon Monsonego, Shira Knafo & Varda Shoshan-Barmatz (2022), Targeting the overexpressed mitochondrial protein VDAC1 in a mouse model of Alzheimer's disease protects against mitochondrial dysfunction and mitigates brain pathology. Translational Neurodegeneration, 11(1), 58. IF 19.1

**Ankit Verma**, Srinivas Pittala, Belal Alhozeel, Anna Shteinfer-Kuzmine, Ehud Ohana, Rajeev Gupta,Jay H. Chung, and Varda Shoshan-Barmatz. (2022). The role of the mitochondrial protein VDAC1 ininflammatory bowel disease : a potential therapeutic target. Molecular Therapy, S1525-0016(21)00354-3. IF 11.4

Shteinfer-Kuzmine, Anna, **Ankit Verma***, Tasleem Arif, Or Aizenberg, Avijit Paul, and Varda Shoshan-Barmaz. (2021) "Mitochondria and nucleus cross-talk: Signaling in metabolism, apoptosis, and differentiation, and function in cancer." IUBMB life, 73 (3) 492-510. *Equal contribution. IF 3.2

Klapper-Goldstein Hadar, **Ankit Verma**, Sigal Elyagon, Roni Gillis, Michael Murninkas, Srinivas Pittala,Avijit Paul, Varda Shoshan-Barmatz, and Yoram Etzion. (2020) "VDAC1 in the diseased myocardium and theeffect of VDAC1-interacting compound on atrial fibrosis induced by hyper aldosteronism." Scientific Reports 10(1):1-16. IF 4.9

Shoshan-Barmatz, Varda, Anna Shteinfer-Kuzmine, and **Ankit Verma** (2020) "VDAC1 at the Intersection of Cell Metabolism, Apoptosis, and Diseases."Biomolecules 10(11), 1485. IF 5.6

**Ankit Verma**, Hari N. Kushwahaa, Ajeet K. Srivastav, Saumya Srivastava, Naseem Jamal, Kriti Srivastava,and Ratan Singh Ray (2017) 'Piperine attenuates UV-R induced cell damage in human keratinocytes via Nf-kB, Bcl-2 pathway: An application for photoprotection'. Journal of Photochemistry and Photobiology B:Biology,172,139–148. IF 4.0

Dubey, Divya, Deepti Chopra, Jyoti Singh, Ajeet K. Srivastav, Smita Kumari, Ankit Verma, and Ratan SinghRay. (2017) 'Photosensitized methyl paraben induces apoptosis via caspase dependentpathway under ambient UVB exposure in human skin cells'. Food and Chemical Toxicology 108:171-185. IF 3.2

**Ankit Verma**, Daoud Ali, and Anumesh K. Pathak. (2017) 'Fluoride induces DNA damage and cytotoxicity in human hepatocellular carcinoma cells' Toxicological & Environmental Chemistry, 99(1):148-159. IF 1.6

Daoud Ali, **Ankit Verma**, Anumesh K. Pathak, Huma Ali, and R. K. Hans. (2016)"UVR-induced toxicity ofsludge and polycyclic aromatic hydrocarbons on seed germination and seedling growth of Triticum aestivumL."Chemistry and Ecology 32(5):446-459. IF 3.2

Pal, Manish Kumar, Shyama Pyari Jaiswar, Ajeet Kumar Srivastav, Shruti Goyal, Ashish Dwivedi, **Ankit Verma**, Jyoti Singh, Anumesh Kumar Pathak, Pushpa Lata Sankhwar, and Ratan Singh Ray(2016).'Synergistic effect of piperine and paclitaxel on cell fate via cyt-c, Bax/Bcl-2-caspase-3 pathway in ovarian adenocarcinomas SKOV-3 cells'.European Journal of Pharmacology, 791,751-762. IF 5.7

Ajeet K. Srivastav, Syed Faiz Mujtaba, Ashish Dwivedi, Saroj K. Amar, Shruti Goyal, **Ankit Verma**, Hari N.Kushwaha, RajnishK. Chaturvedi, Ratan Singh Ray (2016).'Photosensitized rosebengal induced phototoxicity on human melanoma cellline under natural sunlight exposure'. Journal of Photochemistry and Photobiology B: Biology, 156;87-99. IF 4.0

Goyal, Shruti, Saroj K. Amar, Divya Dubey, Manish K. Pal, **Ankit Verma**, Hari Narayan Kushwaha, and Ratan Singh Ray (2015). "Involvement of cathepsin B in mitochondrial apoptosis by p-phenylenediamine under ambient UV-radiation."Journal of Hazardous Materials; 300, 415-425. IF 10.6

Saroj Kumar Amar, Shruti Goyala, Syed Faiz Mujtaba, Ashish Dwivedi, Hari Narayan Kushwaha, **Ankit Verma**, Deepti Chopra, Rajnish K. Chaturvedi, Ratan Singh Ray (2015) 'Role of type I & type II reactions in DNA damage and activation of Caspase3 via mitochondrial pathway induced byphotosensitized benzophenone'. Toxicology Letters, 235, (2)84-95. IF 3.1

Alarifi, Saud, Daoud Ali, **Ankit Verma**, Fahad N. Almajhdi, and Ahmed A. Al-Qahtani(2014). "Single-walled carbon nanotubes induce cytotoxicity and DNA damage via reactive oxygen species in human hepatocarcinoma cells." In Vitro Cellular & Developmental Biology-Animal 50, (8) : 714-722. IF 2.0

Neera Yadav, Ashish Dwivedi, Syed Faiz Mujtaba, **Ankit Verma**, Ratan Singh Ray, Gajendra Singh (2014) 'Photosensitized mefloquine induces ROS-mediated DNA damage and

apoptosis in keratinocytes under ambient UVB and sunlight exposure'. Cell Biology and Toxicology 30(5):253-68. IF 5.7

Alarifi Saud, Daoud Ali, **Ankit Verma**, Saad Alakhtani, and BahyA.Ali (2013).'Cytotoxicity and genotoxicity of copper oxide nanoparticles in human skin keratinocytes cells'. International Journal of Toxicology,32(4),296-307. IF 2.2

Alarifi Saud, Daoud Ali, Saad Alkahtani, **Ankit Verma**, Maqusood Ahamed, Mukhtar Ahmed, and HishamA. Alhadlaq. (2013). 'Induction of oxidative stress, DNA damage, and apoptosis in a malignant human skin melanoma cell line after exposure to zinc oxide nanoparticles' International Journal of Nanomedicine. 8 983-993. IF 8.7

Ratan Singh Ray, Syed Faiz Mujtaba, AshishDwivedi, NeeraYadav, **Ankit Verma**, Hari Narayan Kushwaha, Saroj Kumar Amar, Shruti Goel, Deepti Chopra, (2013) 'Singlet oxygen mediated DNA damage induced phototoxicity by ketoprofen resulting in mitochondrial depolarization and lysosomal destabilization'.Toxicology,314,(2–3)229–237. IF 4.6

D. Ali, **A. Verma**, F. Mujtaba, A. Dwivedi, R.K. Hans, R.S. Ray (2011), 'UVB-induced apoptosis and DNA damaging potential of chrysene via reactive oxygen species in human keratinocytes'.Toxicology Letters.204;199-207. IF 2.9

**Ankit Verma**, M.Farooq, Aditya B. Pant, Ratan S. Ray and Rajendra K. Hans (2011) 'Expression and inducibility of endosulfan metabolizing gene in Rhodococcus isolated from earthworm gut microflora for its application in bioremediation'. Bioresource Technology,102;2979–2984. IF 9.0

**Book's Chapters:**

SF Mujtaba, A Kumar, Ankit Verma*. "Protective Role of Vitamins and Sunscreen against Cancer Causing Ultraviolet Rays of the Sun" The Power of Vitamin D: An Update on its Role in Health and Disease, Bentham Science Publishers (2025) 32-41

Ankit Verma*,Awakash Soni, and Priya Gupta. "Cross Talk Between Gut Microbiota and Host Immune Cells." Gut Microbiome in Neurological Health and Disorders. Springer Nature, (2022). 7-26.

Awakash Soni, Ankit Verma, and Priya Gupta. "Microbiota–Gut–Brain Axis and Neurodegenerative Disorder." Gut Microbiome in Neurological Health and Disorders. Springer Nature, (2022). 27-46.

Awakash Soni,Priya Gupta, and Ankit Verma*. "Gut Microbiome and Diet: Promising Approach for Treatment of Cognitive Impairment." Gut Microbiome in Neurological Health and Disorders. Springer Nature(2022). 195-209.

Saroj Kumar Amar, Uttpal Anand, and Ankit Verma*."Cerebrovascular Imaging in a Rodent Stroke Model."Models and Techniques in Stroke Biology, Springer Nature(2021):97

Ankit Verma*, Naveen Kumar Singhal, and Uttpal Anand. "Photothrombotic Stroke Model." Models and Techniques in Stroke Biology, SpringerNature (2021): 107.

Deepti Chopra, Shruti Goyal, Ankit Verma, Saumya Shukla, Sunil Kumar Patel, Sarika Yadav, Ajeet K. Srivastav, Jyoti Singh and Divya Dubey. Therapeutics Intervention of Skin Cancer in the OMICS Era, SpringerNature (2021):131-141

Ajeet K. Srivastav, Shikha Agnihotry, Syed Faiz Mujtaba, Sandeep Negi, Ankit Verma, and Ratan Singh Ray. "PAHs and Phototoxicity." In Photocarcinogenesis& Photoprotection, SpringerNature, (2018): 85-99