

List of Publications: (2019-Onwards)

- 1) Sarika Yadav, [Ashish Dwivedi](#), and Anurag Tripathi (2022). Biology of macrophage fate decision: Implication in inflammatory disorders. *Cell Biology International*. **IF 3.6**
- 2) Saumya Shukla, Deepti Chopra, Sunil Kumar Patel, Sandeep Negi, [Ashish Dwivedi](#), and Ratan Singh Ray (2022). Superoxide anion radical-induced phototoxicity of 2,4,5,6-Tetraminopyrimidine sulfate via mitochondrial-mediated apoptosis in human skin keratinocytes at ambient UVR exposure. *Food and Chemical Toxicology*, Volume 164, June, 112990. **IF 6.02**
- 3) Sonam Chandra, Saba Qureshi, Deepti Chopra, [Ashish Dwivedi](#), Ratan Singh Ray (2022). Involvement of Type-I and Type-II Photodynamic Reactions in Photosensitization of Fragrance Ingredient 2-acetonaphthone. *Photochemistry & Photobiology*. **IF 3.4**
- 4) Priyanka Chauhan, Arpita Bhattacharya, Satyendra Pratap Singh, Sateesh Chandra Gupta, Pratibha Verma, [Ashish Dwivedi](#), Laxman Singh Rajput, Aradhana Mishra (2022). Bacillus subtilis suppresses the charcoal rot disease by inducing defense responses and physiological attributes in soybean. *Archives of Microbiology*, Apr 18;204(5):266. **IF 2.5**
- 5) Srivastav AK, Dubey D, Chopra D, Singh J, Negi S, Mujtaba SF, [Dwivedi Ashish](#) and Ray RS (2020). Oxidative stress-mediated photoactivation of carbazole inhibits human skin cell physiology. *Journal of Cellular Biochemistry*, 121(2), pp. 1273-1282. **IF 4.237**

Publication List before 2019

- 6) Singh, J., Srivastva, A.K., Mandal, P., Chandra, S., Dubey, D., [Dwivedi, A.](#), Chopra, D., Tripathi, A. and Ray, R.S., **2018**. Under ambient UVA exposure, pefloxacin exhibits both immunomodulatory and genotoxic effects via multiple mechanisms. *Journal of Photochemistry and Photobiology B: Biology*, 178, pp.593-605. **IF 6.2**
- 7) Singh, J., [Dwivedi, A.](#), Ray, L., Chopra, D., Dubey, D., Srivastva, A.K., Kumari, S., Yadav, R.K., Amar, S.K., Haldar, C. and Ray, R.S., **2018**. PLGA nanoformulation of sparfloxacin enhanced antibacterial activity with photoprotective potential under ambient UV-R exposure. *International Journal of Pharmaceutics*, 541(1-2), pp.173-187. **IF 5.8**
- 8) Singh, B.K., Kumar, V., Chauhan, A.K., [Dwivedi, A.](#), Singh, S., Kumar, A., Singh, D., Patel, D.K., Ray, R.S., Jain, S.K. and Singh, C., **2017**. Neuronal nitric oxide synthase negatively regulates zinc-induced nigrostriatal dopaminergic neurodegeneration. *Molecular Neurobiology*, 54(4), pp.2685-2696. **IF 6.1**
- 9) Chopra, D., Ray, L., [Dwivedi, A.](#), Tiwari, S.K., Singh, J., Singh, K.P., Kushwaha, H.N., Jahan, S., Pandey, A., Gupta, S.K., Chaturvedi, R.K., Pant, A. B., Ray, R. S. and Gupta, K. C., **2016**. Photoprotective efficiency of PLGA-curcumin nanoparticles versus curcumin through the involvement of ERK/AKT pathway under ambient UV-R exposure in HaCaT cell line. *Biomaterials*, 84, pp.25-41. **IF 12.47**
- 10) Goyal, S., Amar, S.K., [Dwivedi, A.](#), Mujtaba, S.F., Kushwaha, H.N., Chopra, D., Pal, M.K., Singh, D., Chaturvedi, R.K. and Ray, R.S., **2016**. Photosensitized 2-amino-3-hydroxypyridine-induced mitochondrial apoptosis via Smac/DIABLO in human skin cells. *Toxicology and Applied Pharmacology*, 297, pp.12-21. **IF 4.2**

- 11) Srivastav, A.K., Mujtaba, S.F., [Dwivedi, A.](#), Amar, S.K., Goyal, S., Verma, A., Kushwaha, H.N., Chaturvedi, R.K. and Ray, R.S., 2016. Photosensitized rose Bengal-induced phototoxicity on human melanoma cell line under natural sunlight exposure. *Journal of Photochemistry and Photobiology B: Biology*, 156, pp.87-99. **IF 6.2**
- 12) Pal, M.K., Jaiswar, S.P., Srivastav, A.K., Goyal, S., [Dwivedi, A.](#), Verma, A., Singh, J., Pathak, A.K., Sankhwar, P.L. and Ray, R.S., 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, pp.751-762. **IF 4.4**
- 13) Amar, S.K., Goyal, S., Mujtaba, S.F., [Dwivedi, A.](#), Kushwaha, H.N., Verma, A., Chopra, D., Chaturvedi, R.K. and Ray, R.S., 2015. Role of type I & type II reactions in DNA damage and activation of caspase 3 via mitochondrial pathway induced by photosensitized benzophenone. *Toxicology Letters*, 235(2), pp.84-95. **IF 4.3**
- 14) Mujtaba, S.F., [Dwivedi, A.](#), Yadav, N., Ch, R., Kushwaha, H.N., Mudiam, M.K., Singh, G. and Ray, R.S., 2015. Superoxide mediated photomodification and DNA damage induced apoptosis by Benz (a) anthracene via mitochondrial mediated pathway. *Journal of Photochemistry and Photobiology B: Biology*, 142, pp.92-102. **IF 6.2**
- 15) Tripathi, A.K., [Dwivedi, A.](#), Pal, M.K., Rastogi, N., Gupta, P., Ali, S., BH, M.P., Kushwaha, H.N., Ray, R.S., Singh, S.K. and Duggal, S., 2014. Attenuated neuroprotective effect of riboflavin under UV-B irradiation via miR-203/c-Jun signaling pathway in vivo and in vitro. *Journal of Biomedical Science*, 21(1), p.39. **IF 5.7**
- 16) Yadav, N., [Dwivedi, A.](#), Mujtaba, S.F., Verma, A., Chaturvedi, R., Ray, R.S. and Singh, G., 2014. Photosensitized mefloquine induces ROS-mediated DNA damage and apoptosis in keratinocytes under ambient UVB and sunlight exposure. *Cell Biology and Toxicology*, 30(5), pp.253-268. **IF 6.28**
- 17) Ray, R.S., Mujtaba, S.F., [Dwivedi, A.](#), Yadav, N., Verma, A., Kushwaha, H.N., Amar, S.K., Goel, S. and Chopra, D., 2013. Singlet oxygen mediated DNA damage induced phototoxicity by ketoprofen resulting in mitochondrial depolarization and lysosomal destabilization. *Toxicology*, 314(2-3), pp.229-237. **IF 3.3**
- 18) [Dwivedi, A.](#), Pal, M.K., Tripathi, A.K., Yadav, N., Mujtaba, S.F., Pant, M.C., Singh, S.K., Mishra, D.P., Ray, R.S. and Prabhu, B.M., 2013. Role of type-II pathway in apoptotic cell death induction by photosensitized CDRI-97/78 under ambient exposure of UV-B. *Toxicology Letters*, 222(2), pp.122-131. **IF 3.5**
- 19) Mujtaba, S.F., [Dwivedi, A.](#), Yadav, N., Ray, R.S. and Singh, G., 2013. Singlet oxygen mediated apoptosis by anthrone involving lysosomes and mitochondria at ambient UV exposure. *Journal of Hazardous Materials*, 252, pp.258-271. **IF 6.4**
- 20) Yadav, N., [Dwivedi, A.](#), Mujtaba, S.F., Kushwaha, H.N., Singh, S.K. and Ray, R.S., 2013. Ambient UVA-Induced Expression of p53 and Apoptosis in Human Skin Melanoma A375 Cell Line by Quinine. *Photochemistry and Photobiology*, 89(3), pp.655-664. **IF 2.21**
- 21) [Dwivedi, A.](#), Mujtaba, S.F., Kushwaha, H.N., Ali, D., Yadav, N., Singh, S.K. and Ray, R.S., 2012. Photosensitizing mechanism and identification of levofloxacin photoproducts at

ambient UV radiation. *Photochemistry and Photobiology*, 88(2), pp.344-355.

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22) Mujtaba, S.F., [Dwivedi, A.](#), Mudiam, M.K.R., Ali, D., Yadav, N. and Ray, R.S., 2011. Production of ROS by Photosensitized Anthracene Under Sunlight and UV-R at Ambient Environmental Intensities. *Photochemistry and Photobiology*, 87(5), pp.1067-1076. **I.F**

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23) Ali, D., Verma, A., Mujtaba, F., [Dwivedi, A.](#), Hans, R.K. and Ray, R.S., 2011. UVB-induced apoptosis and DNA damaging potential of chrysene via reactive oxygen species in human keratinocytes. *Toxicology Letters*, 204(2-3), pp.199-207.

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