

1. Name of the Faculty: **Dr. Pritha Pal**

Designation: Assistant Professor, Department of Microbiology, School of Life Sciences, Swami Vivekananda University

Specialization: Cancer genetics, environmental toxicology, medical microbiology

Research Interest: Cancer biology, metal remediation, microbial biotechnology

2. Publication Details:

Journal publications:

1. Pal, P., Dutta, R., Roy, S., Majumder, R., Baksi, S. 2023. "Severity of Oral Carcinoma with Respect to Various Addictions- A Study in West Bengal." *Journal of Survey in Fisheries Sciences*, 10(1S), 6658-6662.
2. Basak, T., Pal, P., Sarkar, S. 2023. "Study of Correlation of Arsenic in Fish Flesh and Occurrence of Oral Carcinoma in Effected Areas of West Bengal." *Journal of Mines, Metals and Fuels*, 71(11): 2126-2131. DOI: 10.18311/jmmf/2023/36036.
3. Pal, P., Halder, A. 2021. "Study Of Chronic Arsenic Toxicity In Oral Squamous Cell Carcinoma". *The Journal of Oriental Research Madras*: Vol.- XCII-IV. ISSN: 0022-3301.
4. Pal, P., Halder, A. 2021. "Arsenic in Ground Water: A Possible Impact on Oral Health". *Acta Scientific Dental Sciences*: Vol.- 6(1): 56-60, ISSN: 2581-4893.
5. Pal, P., Raychowdhury, R., Poddar, S., Halder, A. 2019. "Is There Any Effect Of Addictions In Arsenic Induced Oral Carcinoma?". *International Journal of Advancement in Life Sciences Research*: Vol. 2, no. 2, pp. 36-42.
6. Pal, P., Raychowdhury, R., Basu, S., Gure, P.K., Das, S., Halder, A. 2018. "Cytogenetic and micronuclei study of human papillomavirus-related oral squamous cell carcinoma." *Journal of Oral & Maxillofacial Pathology*: 22(3): 335-340.
7. Pal P, Halder, A. 2018. "Is there any relation of Arsenic Toxicity in HPV related Oral squamous Cell Carcinoma?" *Biological Trace Elements Research*. 188(3):1-10. DOI:10.1007/s12011-018-1419-6.
8. Pal, P., Halder, A. 2018. "Arsenic in HPV Related Oral Carcinoma- A New Threat of the Decade." *International Journal of Medical Science and Clinical Invention*: 5(11): 4129-4153.
9. Dutta, A., De, R., Dolai, T.K., Pal, P., Ghosh, S., Mitra, P.K., Halder, A. 2018. "Incidence of Fanconi anemia in phenotypically normal aplastic anemia patients in West Bengal." *Hematology*; 23 (7): 405-412.
10. Pal, P., Raychowdhury, R., Dolai, T.K., Roy, S., Dastidar, R., Halder, A. 2017. "Study of Arsenic Toxicity in Oral/Oropharyngeal Carcinoma in West Bengal." *International Journal of Occupational Medicine and Environmental Health*; 30 (2): 271-279.
11. Ghosh, S., Roy, S., Kumar, S., Pal, P., Dutta, A., Halder, A. 2017. "Homocysteine- Is there

- any role in coronary heart disease?" *Journal of Cardiovascular Disease Research*; 8(2):46-49.
12. Ghosh, S., Roy, S., Pal, P., Dutta, A., Halder, A. 2017. "Cytogenetic analysis of patients with primary amenorrhea in Eastern India." *Journal of obstetrics and gynaecology*; 38(2):1-6. DOI:10.1080/01443615.2017.1353595.
 13. Pal, P., Dutta, A., Ghosh, S., Halder, A. 2017. "A Comparative Study of Different Risk Factors with Oral Carcinoma- In Special Reference with Arsenic Toxicity." *Malaysian Journal of Medical Research*; 1 (4): 22-27, ISSN: 2550-1607.
 14. Ghosh, S., Roy, S., Pal, P., Dutta, A., Halder, A. 2017. "Is there any role of metal toxicity in amenorrhea?" *Malaysian Journal of Medical Research*;1(4):40-44.
 15. Pal, P., Raychowdhury, R., Halder, A. 2016. "Oral Carcinoma, HPV Infection, Arsenic Exposure - their Correlation in West Bengal, India." *Otolaryngology: Open Access*. Vol. 6, Issue 5, pp. 6:266.
 16. Pal, P., Raychowdhury, R., Dutta, A., Ghosh, S., Halder, A. 2016. "Variation of Micronuclei Frequency with Risk Factors in Oral/Oropharyngeal Carcinoma in West Bengal." *International Journal of Current Research*. Vol. 8, Issue, 02, pp.26235-26237.
 17. Roy, S., Pal, P., Dutta, A., Ghosh, S., Halder, A. 2015. "Isochromosome Xq: Not a rare finding in short stature females with amenorrhoea." *International Journal of Current Research*; 7(6), pp.16876-16880.
 18. Pal P, Raychowdhury R, Halder A (2014) Study of Arsenic Exposure in Oral Carcinoma. *Journal of Vivekananda Institute of Medical Sciences*; Vol. 37 (II), Page 27.
 19. Ghosh S, Pal P, Dutta A, Roy S, Halder A (2016) Short Stature: The Only Morphological Stigmata for Isochromosome Xq. *Jour. of Vivekananda Institute of Medical Sciences*; Vol.39 page18-22

Book Chapters:

1. Pal, P., Halder, A. "A comparative study of arsenic exposure in human papilloma virus infection and oral squamous cell carcinoma- An alarming interpretation". *Contemporary Medical Biotechnology Research for Human Health*. Vol. 1, pp: 65-72, 2022.
2. Pal, P., Sarkar, S. "Is there any impact of Human Papilloma Virus infection in Oral carcinoma". Book Title: *Multidisciplinary Review Book*, Chapter 2, pp. 23-37, 2022 [Taurean Publications, ISBN: 978-93-91074-40-1].
3. Sarkar, S., Pal, P. "Probiotics are highly effective against viral infections: Towards illustrating the contributions of probiotics in combating with the viral pathogen". Book Title: *Multidisciplinary Review Book*, Chapter 2, pp. 23-37, 2022 [Taurean Publications, ISBN: 978-93-91074-40-1].

Conference Papers:

1. Banik, R.D., Mandal, R.K., Das, B., Pal, P., Baksi, S., Ghosh, S. "Phytotoxicity Study of Biogenic Mono-metallic and Bi-metallic (Au-Ag) Alloy NPs." *Journal of Mines, Metals and Fuels*, 71(11): 2084-2088; 2023. DOI: 10.18311/jmmf/2023/36098.
2. Banik, R.D., Dutta, U., Sahani, S., Saha, S., Paul, S., Baksi, S., & Pal, P. "Impact of chronic arsenic toxicity on human health: A review." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6408-6413.
3. Gharami, M., Chakraborty, S., Maira, S., Chatterjee, A., & Pal, P. "Impact of fluoride toxicity: A worldwide threat." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6486-6492.
4. Nabi, A., Garai, S., Mondal, P., Pal, F., Ghosh, S., & Pal, P. "Effect of nitrate contamination in groundwater: A worldwide concern." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6493-6497.
5. Padhi, M., Mukherjee, M., Baksi, S., & Pal, P. "Study of the extent of global uranium contamination in groundwater." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6470-6479.
6. Bhattacharya, T., Ghosh, K., Laha, A., & Pal, P. "Study of acute arsenic toxicity on a global scenario." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6442-6448.
7. Roy, S., Ghoshal, A., Panda, R., Pal, P., & Ghosh, S. "A review on bioinspired and green synthesis of silver nanoparticles with their antimicrobial activity." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6353-6358.
8. Ghazal, U., Pal, P., & Baksi, S. "HPV vaccination: A comprehensive approach to control cervical cancer." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6480-6485.
9. Banik, R.D., Pal, P., & Baksi, S. "Green strategy for reclaiming ecosystem: Microbial remediation of leather industry wastes." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6432-6441.
10. Ghorui, A., Pal, S., Pal, S., Ghosh, K., Dutta, U., Sutradhar, B.D., Das, D., Pal, P., Laha, A. "Cadmium (Cd) bacteria." *Journal of Survey in Fisheries Sciences*, 10(1S), 2023; 6463 – 6469.
11. Barik, R., Pal, P. "Study of Impact of Dietary Factors on Prevalence of Colon Cancer." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 1674-1683. <https://doi.org/10.17762/jaz.v44iS6.2590>.
12. Maira, S., Dhar, S., Pal, P. "A Review on Association of Diet and Lifestyle with the occurrence of Hepatocarcinoma." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2557-2566. <https://doi.org/10.53555/jaz.v44iS5.3280>.
13. Halder, S.D., Bandopadhyay, B., Pal, P. "Role of Live Microorganisms in Colon Cancer- A Review on Probiotic Effect." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2625-2629. <https://doi.org/10.53555/jaz.v44iS5.3485>.
14. Juned, U., Pal, P. "Deciphering Nitrogen Fixing Role Of Various Fungal Species – A Study." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2507-2512. <https://doi.org/10.53555/jaz.v44iS5.3216>.
15. Chourasia, A., Pal, P. "Black Pepper Being a Potent Anti-Carcinogen- A Short Review." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2665-2670. <https://doi.org/10.53555/jaz.v44iS5.3477>.

16. Banik, R.D., Pal, P. "Study of Microbial Impact on Lead Remediation in Industrial Wastewater." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2472-2477. <https://doi.org/10.53555/jaz.v44iS5.3209>.
17. Chatterjee, A., Pal, P. "Diet and Epidemiology- Their Effect on Esophageal Carcinoma." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2600-2606. <https://doi.org/10.53555/jaz.v44iS5.3289>.
18. Dey, D., Pal, P. "Garlic — A Diet Therapy for Various Cancers." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2368-2375.
19. Chakraborty, S., Pal, P. "Impact of Lifestyle & Diet on Prevalence of Oral Cancer." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2591-2599. <https://doi.org/10.53555/jaz.v44iS5.3287>.
20. Banik, R.D., Pal, P. "Microbial Remediation as An Emerging Industrial Wastewater Treatment Process for Arsenic Extenuation." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 1621-1628. <https://doi.org/10.53555/jaz.v44iS6.2581>.
21. Pal, F., Pal, P. "Study of Impact of Diet and Lifestyle Factors on Prevalence of Gastric Cancer." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2581-2590. <https://doi.org/10.53555/jaz.v44iS5.3285>.
22. Sarkar, S., Pal, P. "Arsenic as a Therapy in Cancer: A Short Review." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 1605-1610. <https://doi.org/10.17762/jaz.v44iS6.2579>.
23. Garai, S., Pal, P. "Diet and Lifestyle in Renal Carcinoma- a Possible Relation." *Journal of Advanced Zoology*. Vol. 44 No. S6, 2023; 2567-2574. <https://doi.org/10.53555/jaz.v44iS5.3281>.