

DAFTAR PUSTAKA

- Abdel-Shafy, H. I. and Mansour, M. S. M. 2016. A review on polycyclic aromatic hydrocarbons: Source, environmental impact, effect on human health and remediation. *Egypt J Petrol.* 25:107–123.
- Abreu, A., Costa, C., Pinho e Silva, S., Morais, S., Pereira, M. do C., Fernandes, A., *et al.* 2017. Wood smoke exposure of Portuguese wildland firefighters: DNA and oxidative damage evaluation. *J Toxicol Environ Health, Pt. A.* 80(13–15):596–604.
- Aikpe, J. F. A., Godonou, J. M., Hounmondji, E., Akakpo, B. H., Gbenou, J. D. and Dansou, P. H. 2020. Effect of firewood smoking on the respiratory parameters of fish smokers. *Pharma Innov J.* 9(3):697–702.
- Aksu, I., Anlar, H. G., Taner, G., Bacanlı, M., Iritas, S., Tutkun, E., *et al.* 2018. Assessment of DNA Damage in Welders using Comet and Micronucleus Assays. *Mutat Res.* 843:40–45.
- Asfaw, S., Enquesslassie, F., Tefera, Y., Gizaw, M., Wakuma, S. and Woldemariam, M. 2018. Determinants of Chronic Respiratory Symptoms among Pharmaceutical Factory Workers. *J Trop Med.* 2018:1–10.
- Awopeju, O. F., Nemery, B., Afolabi, O. T., Poels, K., Vanoirbeek, J., Obaseki, D. O., *et al.* 2017. Biomass smoke exposure as an occupational risk: cross-sectional study of respiratory health of women working as street cooks in Nigeria. *Occup Environ Med.* 74(10):737–744.
- Beigzadeh, Z., Pourhassan, B., Kalantary, S. and Golbabaei, F. 2019. Occupational exposure to wood dust and risk of nasopharyngeal cancer: A systematic review and meta-analysis. *Environ Res.* 171:170–176.
- Berame, J. S., Lapada, A. A., Miguel, F. F., Noguera, E. C. and Alam, Z. F. 2020. Micronucleus Evaluation in Exfoliated Human Buccal Epithelium Cells among E-Waste Workers in Payatas, the Philippines. *J Health Pollut.* 10(28):201213.
- Biswas, G., Bhattacharya, A. and Bhattacharya, R. 2017. Occupational health status of construction workers: A review. *Int J Med Sci Public Health.* 6(4):669–675.
- Boas, D. S. V., Matsuda, M., Toffoleto, O., Garcia, M. L. B., Marquezini, M. V. and Saldiva, P. H. N. 2018. Workers of Sao Paulo City, Brazil, exposed to Air Pollution: Assessment of genotoxicity. *Mutat Res.* 834:18–24.
- Cakmak, G., Eraydin, D., Berkkan, A., Yagar, S. and Burgaz, S. 2019. Genetic damage of operating and recovery room personnel occupationally exposed to waste anaesthetic gases. *Hum Exp Toxicol.* 38(1):3–10.
- Carbonari, D., Chiarella, P., Mansi, A., Pignini, D., Lavicoli, S. and Tranfo, G. 2016. Biomarkers of Susceptibility Following Benzene Exposure: Influence of Genetic Polymorphisms on Benzene Metabolism and Health Effects. *Biomark Med.* 10(2):145–163.
- Cervena, T., Rossnerova, A., Sikorova, J., Beranek, V., Vojtisek-lom, M., Ciganek, M., *et al.* 2017. DNA Damage Potential of Engine Emissions Measured In Vitro by Micronucleus Test in Human Bronchial Epithelial Cells. *Basic Clin Pharmacol Toxicol.* 121:102–108.
- Cobanoglu, H., Coskun, M., Coskun, M. and Çayir, A. 2019. Results of buccal

- micronucleus cytome assay in pesticide-exposed and non-exposed group. *Environ Sci Pollut Res Int.* 26(19):19676–19683.
- D'Souza, U. J. A. 2017. Pesticide Toxicity and Oxidative Stress: A Review. *Borneo J Med Sci.* 11(1):9–19.
- Dadzie, E. K., Ephraim, R. K. D., Afrifa, J., Quaicoe, R., Bediako, B. S., Duku, B. I., *et al.* 2019. Persistent exposure to wood smoke is associated with variations in biochemical and hematological indices among regular wood burners in the Cape Coast metropolis, Ghana. *Sci Afr.* 4:e00100.
- Dewi, R., Hamid, Z. A., Rajab, N. F., Shuib, S. and Razak, S. R. A. 2019. Genetic, epigenetic, and lineage-directed mechanisms in benzene-induced malignancies and hematotoxicity targeting hematopoietic stem cells niche. *Hum Exp Toxicol.* pp. 1–19.
- Dienye, P., Akani, A. and Okokon, I. 2016. Respiratory effects of biomass fuel combustion on rural fish smokers in a Nigerian fishing settlement: a case control study. *Afr Health Sci.* 16(2):516–523.
- Ekpenyong, C. E. and Asuquo, A. E. 2017. Recent Advances in Occupational and Environmental Health Hazards of Workers Exposed to Gasoline Compounds. *Int J Occup Med Environ Health.* 30(1):1–26.
- El-Safty, A. M. K., Samir, A. M., Mekkawy, M. K. and Fouad, M. M. 2018. Genotoxic Effects Due to Exposure to Chromium and Nickel Among Electroplating Workers. *Int J Toxicol.* 37(3):234–240.
- Engwa, G. A., Ferdinand, P. U., Nwalo, F. N. and Unachukwu, M. N. 2019. Mechanism and Health Effects of Heavy Metal Toxicity in Humans. in Karcioğlu, O. (ed.) *Poisoning in the Modern World - New Tricks for an Old Dog?*. IntechOpen:1–23.
- F.O., A. 2018. Analysis of Occupational Hazard of Fish Smoking Among Fisher-Folks in Coastal Areas of Ondo State, Nigeria. *Int J Rural Dev Environ Health Res.* 2(2):39–45.
- Filho, A. P. D. R., Silveira, M. A. D., Dermaco, N. R. and D'Arce, L. P. 2019. Increased DNA Damage, Instability and Cytokinesis Defects in Occupationally Exposed Car Painters. *In Vivo.* 33(6):1807–1811.
- Frigerio, G., Campo, L., Mercadante, R., Mielzynska-Svach, D., Pavanello, S. and Fustinoni, S. 2020. Urinary Mercapturic Acids to Assess Exposure to Benzene and Other Volatile Organic Compounds in Coke Oven Workers. *Int J Environ Res Public Health.* 17(5):1801.
- Guma-os, A. B. M. and Villarino, A. G. 2019. Micronucleus Test in Exfoliated Buccal Cells of Barbecue Grillers in Marawi City, Philippines. *Int J Sci Manag Stud.* 2(4):33–37.
- Hamid, A., Baharuddin, K. S., Rajab, N. F., Lubis, S. H., Ishak, I., Othman, H. F., *et al.* 2018. Micronucleus Analysis in Buccal Swabs of Paddy Farmers from the East Coast of Malaysia. *Malays J Health Sci.* 16:9–14.
- Hopf, N. B., Bolognesi, C., Danuser, B. and Wild, P. 2019. Biological monitoring of workers exposed to carcinogens using the buccal micronucleus approach: A systematic review and meta-analysis. *Mutat Res.* 781:11–29.
- Huang, Y., Bao, M., Xiao, J., Qiu, Z. and Wu, K. 2019. Effects of PM_{2.5} on

- Cardio-Pulmonary Function Injury in Open Manganese Mine Workers. *Int J Environ Res Public Health*. 16(11):2017.
- Jablonska-Trypuc, A. 2017. Pesticides as Inducers of Oxidative Stress. *Reactive Oxygen Species*. 3(8):96–110.
- Jain, V., Lohra, P., Priya, B. and Sindhu, D. 2017. Buccal Cell Micronuclei Assay: A Non-Invasive Genotoxic Marker. *Int J Contemp Med Res*. 4(1):100–104.
- Jung, S. W., Lee, J., Lee, K. and Kim, H. 2019. Association Between Occupational Physicochemical Exposures and Headache/Eyestrain Symptoms Among Korean Indoor/Outdoor Construction Workers. *Saf Health Work*. 10(4):437–444.
- Kaisar, S. and Kale, U. 2019. Role of Micronucleus as a Potential Biomarker in Oral Carcinogenesis. *EC Dent Sci*. 18(4):749–754.
- Kaur, R. and Thakur, Y. 2018. Metabolism of pesticides by human Cytochrome P450 (CYPs). *Int J Creat Res Thou*. 6(2):1293–1300.
- Krishna, L., Sampson, U., Annamala, P. T., Unni, K. M., Binukumar, B., George, A., *et al.* 2020. Genomic Instability in Exfoliated Buccal Cement Warehouse Workers. *Int J Occup Environ Med*. 11(1):33–40.
- Leonardi, S., Poma, A. M., Colafarina, S., D'Aloisio, F., Scatigna, M., Zarivi, O., *et al.* 2020. Ecotoxicology and Environmental Safety Early genotoxic damage through micronucleus test in exfoliated buccal cells and occupational dust exposure in construction workers: a cross-sectional study in L'Aquila, Italy. *Ecotoxicol Environ Saf*. 203:110989.
- León-mejía, G., Luna-rodríguez, I., Trindade, C., Oliveros-ortíz, L., Anaya-romero, M., Luna-carrascal, J., *et al.* 2019. Cytotoxic and genotoxic effects in mechanics occupationally exposed to diesel engine exhaust. *Ecotoxicol Environ Saf*. 171:264–273.
- Lu, S., Yang, D., Ge, X., Li, L., Zhao, Y., Li, C., *et al.* 2020. The internal exposure of phthalate metabolites and bisphenols in waste incineration plant workers and the associated health risks. *Environ Int*. 145:106101.
- Miller, M. R. 2020. Oxidative stress and the cardiovascular effects of air pollution. *Free Rad Biol Med*. 151:69–87.
- Moorthy, B., Chu, C. and Carlin, D. J. 2015. Polycyclic Aromatic Hydrocarbons: From Metabolism to Lung Cancer. *Toxicol Sci*. 145(1):5–15.
- Mourad, B. H. and Ashour, Y. A. 2020. Demonstration of Subclinical Early Nephrotoxicity Induced by Occupational Exposure to Silica Among Workers in Pottery Industry. *Int J Occup Environ Med*. 11(2):85–94.
- Moyce, S. C. and Schenker, M. 2018. Migrant Workers and Their Occupational Health and Safety. *Annu Rev Public Health*. 39:351–365.
- Ngaruiya, F. W., Ogendi, G. M. and Mokuu, M. A. 2019. Occupational Health Risks and Hazards Among the Fisher-folk in Kampi, Lake Baringo, Kenya. *Environ Health Insight*. 13:1178630219881463.
- Nicolopoulou-stamati, P., Maipas, S., Kotampasi, C., Stamatis, P. and Hens, L. 2016. Chemical Pesticides and Human Health: The Urgent Need for a New Concept in Agriculture. *Front Public Health*. 4:148.

- Obiri, S., Yeboah, P. O., Osaе, S., Adu-kumi, S., Cobbina, S. J., Armah, F. A., *et al.* 2016. Human Health Risk Assessment of Artisanal Miners Exposed to Toxic Chemicals in Water and Sediments in the Prestea Huni Valley District of Ghana. *Int J Environ Res Public Health*. 13(1):139.
- Okwor, T. J., Ozoh, O. B., Okonkwo, I. J. and Osibogun, A. 2017. Occupational Exposure to Particulate Matter from Biomass Smoke and Its Relationship to Respiratory Symptoms and Pulmonary Function among Rural Women Involved in Cassava Processing in Nigeria. *Open J Prev Med*. 7:41–54.
- de Oliveira, A. F. B., de Souza, M. R., Benedetti, D., Scotti, A. S., Piazza, L. S., Garcia, A. L. H., *et al.* 2019. Investigation of pesticide exposure by genotoxicological, biochemical, genetic polymorphic and in silico analysis. *Ecotoxicol Environ Saf*. 179:135–142.
- de Oliveira Galvao, M. F., de Queiroz, J. D. F., Duarte, E. de S. F., Hoelzemann, J. J., de Andre, P. A., Saldiva, P. H. N., *et al.* 2017. Characterization of the particulate matter and relationship between buccal micronucleus and urinary 1-hydroxypyrene levels among cashew nut roasting workers. *Environ Pollut*. 220(Pt.A):659–671.
- Olujimi, O. O., Ogunseye, O. O., Oladiran, K. O. and Ajakore, S. D. 2018. Preliminary Investigation into Urinary 1-Hydroxypyrene as a Biomarker for Polycyclic Aromatic Hydrocarbons exposure among Charcoal Workers in Ogun and Oyo States, Nigeria. *Saf Health Work*. 9(4):416–420.
- Omar, R. A., Saleem, M. A. and Karim, K. J. 2018. Cytotoxicity in Exfoliated Buccal Cells of Petrol Stations' Workers in Erbil City. *Int Conf Pure Appl Sci*. pp. 101–104.
- Pelcova, D., Zdimal, V., Kacer, P., Zikova, N., Komarc, M., Fenclova, Z., *et al.* 2017. Markers of lipid oxidative damage in the exhaled breath condensate of nano TiO₂ production workers. *Nanotoxicol*. 11(1):52–63.
- Petit, P., Maître, A., Persoons, R. and Bicout, D. J. 2019. Lung cancer risk assessment for workers exposed to polycyclic aromatic hydrocarbons in various industries. *Environ Int*. 124:109–120.
- Potapova, T. and Gorbsky, G. J. 2017. The Consequences of Chromosome Segregation Errors in Mitosis and Meiosis. *Biol*. 6(12):1–33.
- Rahimi, T., Rafati, F., Sharifi, H. and Seyedi, F. 2020. General and reproductive health outcomes among female greenhouse workers: a comparative study. *BMC Women Health*. 20(1):103.
- Rahmad, R., Dewi, N. and Rosida, L. 2016. Pengaruh paparan Batubara Terhadap Jumlah Mikronukleus Mukosa Bukal pada Pekerja Tambang Batubara di Kecamatan Murung Pudak Kabupaten Tabalong. *Dentino J Ked Gigi*. 1(2):129–134.
- Recoleta, K. J. A. and Villarino, A. G. 2017. Micronucleus Test in Exfoliated Buccal Cells of Female Street Vendors Exposed to Vehicular Exhaust in Iligan City, Philippines. *Int J Humanit Soc Sci*. 9(2):119–130.
- Rim, K. 2017. Reproductive Toxic Chemicals at Work and Efforts to Protect Workers ' Health: A Literature Review. *Saf Health Work*. 8(2):143–150.
- Roquelaure, Y., Jégo, S., Geoffroy-perez, B., Chazelle, E., Descatha, A.,

- Evanoff, B., *et al.* 2020. Carpal Tunnel Syndrome Among Male French Farmers and Agricultural Workers: Is It Only Associated With Physical Exposure?. *Saf Health Work*. 11:33–40.
- Rossnerova, A., Honkova, K., Pelclova, D., Zdimal, V., Hubacek, J. A., Chvojkova, I., *et al.* 2020. DNA Methylation Profiles in a Group of Workers Occupationally Exposed to Nanoparticles. *Int J Mol Sci*. 21(7):2420.
- Salih, D. J., Qader, M. K. and Ahmed, M. R. 2019. Genotoxic Effects of Benzene in Petrol Station Workers in Duhok- Kurdistan Region of Iraq. *Haya Saudi J Life Sci*. 4(4):143–147.
- Santiago, F., Lima, S., Antunes, S., Silvestre, R. T., Scherrer, L. R., Alves, G., *et al.* 2019. Immunophenotypic Evaluation as a Tool for Monitoring Risks for Blood Malignancies in Gas Station Workers. *Asian Pac J Cancer Prev*. 20(7):2109–2115.
- Shaikh, A., Barot, D. and Chandel, D. 2018. Genotoxic Effects of Exposure to Gasoline Fumes on Petrol Pump Workers. *Int J Occup Environ Med*. 9(2):79–87.
- Singh, Z. and Chadha, P. 2016. Textile industry and occupational cancer. *J Occup Med Toxicol*. 11:39.
- Souza, K. M., Braz, L. G., Nogueira, F. R., Souza, M. B., Bincoletto, L. F., Aun, A. G., *et al.* 2016. Occupational exposure to anesthetics leads to genomic instability, cytotoxicity and proliferative changes. *Mutat Res*. 791:42–48.
- Srinivas, U. S., Tan, B. W. Q., Vellayappan, B. A. and Jeyasekharan, A. D. 2019. ROS and the DNA damage response in cancer. *Redox Biology*. 25:101084.
- Ursini, C. L., Salè, E. O., Fresegna, A. M., Ciervo, A., Jemos, C., Maiello, R., *et al.* 2019. Antineoplastic drug occupational exposure: a new integrated approach to evaluate exposure and early genotoxic and cytotoxic effects by no-invasive Buccal Micronucleus Cytome Assay biomarker. *Toxicol Lett*. 316:20–26.
- Villalba-campos, M., Chuair-noack, L., Sánchez-corredor, M. C. and Rondón-lagos, M. 2016. High chromosomal instability in workers occupationally exposed to solvents and paint removers. *Mol Cytogenet*. 9:46.
- Villarini, M., Guerrero, E., Vannini, S., Dominici, L., Gianfredi, V., Fatigoni, C., *et al.* 2020. Cytogenetic biomonitoring of road tunnel construction workers: buccal micronucleus cytome assay. *Ann Ig*. pp. 1–15.
- Wultsch, G., Nersesyan, A., Kundi, M., Al-serori, H. and Knasmuller, S. 2019. Induction of chromosomal damage in exfoliated buccal and nasal cells of road markers. *J Toxicol Environ Health*. 82(17):969–976.
- Zepeda-Ace, R., Rojas-Garcia, A. E., Benitez-Trinidad, A., Herrera-Moreno, J. F., Medina-Diaz, I. M., Barron-Vivanco, B. S., *et al.* 2017. Oxidative stress and genetic damage among workers exposed primarily to organophosphate and pyrethroid pesticides. *Environ Toxicol*. 32:1754–1764.