REFERENCES

Abd Elkader, H.-T. A. E., Al-Shami, A. S. (2023). Microanatomy and behaviour of the date mussel's adductor and foot muscles after chronic exposure to bisphenol A, with inhibition of ATPase enzyme activities and DNA damage. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, *271*, 109684. doi:https://doi.org/10.1016/j.cbpc.2023.109684

Abdel-Tawwab, M., Hamed, H. S. (2018). Effect of bisphenol A toxicity on growth performance, biochemical variables, and oxidative stress biomarkers of Nile tilapia, *Oreochromis niloticus* (L.). *Journal of Applied Ichthyology, 34*(5), 1117-1125. doi:https://doi.org/10.1111/jai.13763

Abdolali, A., Ngo, H. H., Guo, W., Zhou, J. L., Zhang, J., Liang, S., Chang, S. W., Nguyen, D. D., Liu, Y. (2017). Application of a breakthrough biosorbent for removing heavy metals from synthetic and real wastewaters in a lab-scale continuous fixed-bed column. *Bioresource Technology*, *229*, 78-87. doi:https://doi.org/10.1016/j.biortech.2017.01.016

Abu Hasan, H., Muhamad, M. H., Budi Kurniawan, S., Buhari, J., Husain Abuzeyad, O. (2023). Managing bisphenol A contamination: advances in removal technologies and future prospects. *Water, 15*(20), 3573. doi:https://doi.org/10.3390/w15203573

Abubakar, I. R., Maniruzzaman, K. M., Dano, U. L., AlShihri, F. S., AlShammari, M. S., Ahmed, S. M. S., Al-Gehlani, W. A. G., Alrawaf, T. I. (2022). Environmental sustainability impacts of solid waste management practices in the global South. *International journal of Environmental Research and Public Health, 19*(19), 12717. doi:https://doi.org/10.3390/ijerph191912717

Adesina, M. O., Block, I., Günter, C., Unuabonah, E. I., Taubert, A. (2023). Efficient Removal of Tetracycline and Bisphenol A from Water with a New Hybrid Clay/TiO_2 Composite. *ACS omega*, *8*(24), 21594-21604. doi:https://doi.org/10.1021/acsomega.3c00184

Adhikari, B., Khanal, S. N., Giri, D., Lamichhane, J. (2014). Seasonal variation of pH, BOD, COD and BOD/COD ratio in different ages of landfill leachate in Nepal. *Journal of Biomolecule Reconstruction, 11*(2), 89-99.

Adorna Jr, J., Borines, M., Doong, R.-A. (2020). Coconut shell derived activated biochar–manganese dioxide nanocomposites for high performance capacitive deionization. *Desalination, 492*, 114602. doi:https://doi.org/10.1016/j.desal.2020.114602

Agrawal, K., Bhatt, A., Chaturvedi, V., Verma, P. (2020). Bioremediation: an effective technology toward a sustainable environment via the remediation of emerging environmental pollutants. In *Emerging Technologies in Environmental Bioremediation* (pp. 165-196): Elsevier.

Ahmad, R. K., Sulaiman, S. A., Yusup, S., Dol, S. S., Inayat, M., Umar, H. A. (2022). Exploring the potential of coconut shell biomass for charcoal production. *Ain Shams Engineering Journal, 13*(1), 101499. doi:https://doi.org/10.1016/j.asej.2021.05.013

Ahmad, T., Manzar, M. S., Georgin, J., Franco, D. S., Khan, S., Meili, L., Ullah, N. (2023). Development of a new hyper crosslinked resin based on polyamine-isocyanurate for the efficient removal of endocrine disruptor bisphenol-A from water. *Journal of Water Process Engineering, 53*, 103623. doi:https://doi.org/10.1016/j.jwpe.2023.103623

Ahmed, A. S. A., El-Nahas, S., Ezzeldien, M. (2023). Purification of drinking water from dissolved Bisphenol A (BPA) using zinc oxide nanoparticles. *Aswan University Journal of Environmental Studies, 4*(1), 48-68. doi: https://doi.org/10.21608/aujes.2023.174975.1108

Ajien, A., Idris, J., Md Sofwan, N., Husen, R., Seli, H. (2023). Coconut shell and husk biochar: A review of production and activation technology, economic, financial aspect and application. *Waste Management & Research, 41*(1), 37-51. doi:https://doi.org/10.1177/0734242X221127167

Akash, M. S. H., Rasheed, S., Rehman, K., Imran, M., Assiri, M. A. (2023). Toxicological evaluation of bisphenol analogues: preventive measures and therapeutic interventions. *RSC Advances, 13*(31), 21613-21628. doi:https://doi.org/10.1039/D3RA04285E

Al-Musawi, T. J., Mengelizadeh, N., Ganji, F., Wang, C., Balarak, D. (2022). Preparation of multi-walled carbon nanotubes coated with $CoFe_2O_4$ nanoparticles and their adsorption performance for Bisphenol A compound. *Advanced Powder Technology, 33*(2), 103438. doi:https://doi.org/10.1016/j.apt.2022.103438

Aldwaish, M., Kouki, N., Algreiby, A., Tar, H., Tayeb, R., Hafiane, A. (2022). An Ionic supported liquid membrane for the recovery of bisphenol A from aqueous solution. *Membranes, 12*(9), 869. doi:https://doi.org/10.3390/membranes12090869

Almeida, S., Raposo, A., Almeida-González, M., Carrascosa, C. (2018). Bisphenol A: Food exposure and impact on human health. *Comprehensive Reviews in Food Science and Food Safety, 17*(6), 1503-1517. doi: https://doi.org/10.1111/1541-4337.12388

Alves, A. C. F., Antero, R. V. P., de Oliveira, S. B., Ojala, S. A., Scalize, P. S. (2019). Activated carbon produced from waste coffee grounds for an effective removal of bisphenol-A in aqueous medium. *Environmental Science and Pollution Research, 26*(24), 24850-24862. doi:https://doi.org/10.1007/s11356-019-05717-7

Amin, K. F., Gulshan, F., Asrafuzzaman, F., Das, H., Rashid, R., Hoque, S. M. (2023). Synthesis of mesoporous silica and chitosan-coated magnetite nanoparticles for heavy metal adsorption from wastewater. *Environmental Nanotechnology, Monitoring & Management, 20*, 100801. doi:https://doi.org/10.1016/j.enmm.2023.100801

Amiri, S., Vatanpour, V., Mansourpanah, Y., Khataee, A. (2022). Recent trends in application of nanoscale zero-valent metals and metal single atoms in membrane processes. *Journal of Environmental Chemical Engineering, 10*(3), 107457. doi:https://doi.org/10.1016/j.jece.2022.107457

Amjad, S., Rahman, M. S., Pang, M.-G. (2020). Role of antioxidants in alleviating bisphenol A toxicity. *Biomolecules, 10*(8), 1105. doi:https://doi.org/10.1016/j.jece.2022.107457

Amnath, Y. (2018). Bisphenol A Contaminated in Salinity Municipal Wastewater Leachate. *Burapha Science Journal, 23*, 1717-1728.

Ana, K. M. S., Espino, M. P. (2020). Occurrence and distribution of hormones and bisphenol A in Laguna Lake, Philippines. *Chemosphere, 256*, 127122. doi:https://doi.org/10.1016/j.chemosphere.2020.127122

Anandhan, K., Thangal, S. H., Yogeshwaran, A., Kaaran, S., Ajith Kumar, T. T., Muralisankar, T. (2024). Microplastics Contamination in the Edible Fish Mozambique Tilapia (*Oreochromis mossambicus*) from the Selvampathy Wetland of Coimbatore, Tamil Nadu, India. *Bulletin of Environmental Contamination and Toxicology, 112*(1), 7. doi:https://doi.org/10.1007/s00128-023-03839-w

Anis, S. F., Hashaikeh, R., Hilal, N. (2019). Reverse osmosis pretreatment technologies and future trends: A comprehensive review. *Desalination, 452*, 159-195. doi:https://doi.org/10.1016/j.desal.2018.11.006

ANZG. 2021. Toxicant default guideline values for aquatic ecosystem protection Bisphenol A in freshwater. In Australian and New Zealand Guidelines for Fresh and Marine Water Quality. Australian and New Zealand Governments and Australian state and territory governments, Canberra, ACT, Australia.

ANZG. 2023. Toxicant default guideline values for aquatic ecosystem protection Bisphenol A in freshwater. In Australian and New Zealand Guidelines for Fresh and Marine Water Quality. Australian and New Zealand Governments and Australian state and territory governments, Canberra, ACT, Australia.

Araissia, H., Guellati, O., Abbaci, F., Harat, A., El-Haskouri, J., Begin, D., Guerioune, M., Nait-Merzoug, A. (2023). Physico-Chemical Properties of Three Synthesized Carbonaceous Nanomaterials (CNTs, GO, Biochar) for Perspective Application: Water/Soil Treatment and Energy Storage. *Engineering Science, 3*(1), 35. doi:https://doi.org/10.53907/enpesj.v3i1.160

Arya, G., Tadayon, S., Sadighian, J., Jones, J., de Mutsert, K., Huff, T. B., Foster, G. D. (2017). Pharmaceutical chemicals, steroids and xenoestrogens in water, sediments and fish from the tidal freshwater Potomac River (Virginia, USA). *Journal of Environmental Science and Health, Part A, 52*(7), 686-696. doi:https://doi.org/10.1080/10934529.2017.1312975

Asifa, K., Chitra, K. (2015). Determination of median lethal concentration (LC50) and behavioral effects of chlordecone in the cichlid fish, *Etroplus maculatus*. *International Journal of Science and Research, 4*(3), 1473-1475.

Asifa, K., Chitra, K. (2015). Evaluation of LC50 and behavioural responses of bisphenol A in the cichlid fish, *Etroplus maculatus*. *International Journal of Current Research, 7*(6), 16725-16729.

ASTM. 2007. Standard Test Method for Ash in Biomass (ASTM E1755-01). In. West Conshohocken, PA,USA: ASTM international.

ASTM. 2018. Standard test method for determination of Nonylphenol, Bisphenol A, p-tert-Octylphenol, Nonylphenol Monoethoxylate and Nonylphenol Diethoxylate in

environmental waters by Gas Chromatography Mass Spectrometry (ASTM D7065-17). In. West Conshohocken, PA,USA: ASTM international.

ASTM. 2019. Standard Test Method for Moisture Analysis of Particulate Wood Fuels (ASTM E871-82). In. West Conshohocken, PA,USA: ASTM international.

ASTM. 2019. Standard Test Method for Volatile Matter in the Analysis of Particulate Wood Fuels (ASTM E872-82). In. West Conshohocken, PA,USA: ASTM international.

Azad, D., Pateriya, R., Sharma, R. (2024). Chemical activation of pine needle and coconut shell biochar: production, characterization and process optimization. *International Journal of Environmental Science and Technology, 21*(1), 757-772. doi:https://doi.org/10.1007/s13762-023-04913-w

Aziz, A., Agamuthu, P., Fauziah, S. H. (2018). Removal of bisphenol A and 2, 4-Di-tert-butylphenol from landfill leachate using plant-based coagulant. *Waste Management & Research, 36*(10), 975-984. doi:https://doi.org/10.1177/0734242X18790360

Azizullah, A., Khan, S., Gao, G., Gao, K. (2022). The interplay between bisphenol A and algae–A review. *Journal of King Saud University-Science, 34*(5), 102050. doi:https://doi.org/10.1016/j.jksus.2022.102050

Bačėninaitė, D., Džermeikaitė, K., Antanaitis, R. (2022). Global warming and dairy cattle: How to control and reduce methane emission. *Animals, 12*(19), 2687. doi:https://doi.org/10.3390/ani12192687

Baharim, N. H., Sjahrir, F., Taib, R. M., Idris, N., Daud, T. A. T. (2023). Removal of Crystal Violet from Aqueous Solution Using Post-treated Activation Biochar Derived from Banana Pseudo Stem. *Chemical Engineering Transactions, 98*, 45-50. doi:https://doi.org/10.3303/CET2398008

Bahramifar, N., Rahnama, R., Saberimoghaddam, S. (2014). Trace determination of bisphenol-A in landfill leachate samples by dispersive liquid-liquid microextraction followed by high performance liquid chromatography. *Bulletin of the Chemical Society of Ethiopia, 28*(3), 329-338. doi:https://doi.org/10.4314/bcse.v28i3.2

Balarak, D. (2019). Synthesis of Graphene Oxide as an Adsorbent for the Removal of Bisphenol A. *Journal of Human, Environment, and Health Promotion*.

Balarak, D., Ansari, H., Dashtizadeh, M., Bazi, M. (2019). Synthesis of Graphene Oxide as an Adsorbent for the Removal of Bisphenol A. *Journal of Human Environment and Health Promotion, 5*(3), 98-103.

Bambaradeniya, C. N., Ekanayake, S., Kekulandala, L., Samarawickrama, V., Ratnayake, N., Fernando, R. (2002). An assessment of the status of biodiversity in the Muthurajawela wetland sanctuary. *Occasional Papers of IUCN Sri Lanka, 3*, 48.

Bao, T., Damtie, M. M., Hosseinzadeh, A., Wei, W., Jin, J., Vo, H. N. P., Ye, J. S., Liu, Y., Wang, X. F., Yu, Z. M. (2020). Bentonite-supported nano zero-valent iron composite as a green catalyst for bisphenol A degradation: Preparation, performance, and mechanism of action. *Journal of Environmental Management, 260*, 110105. doi:https://doi.org/10.1016/j.jenvman.2020.110105

Barboza, L. G. A., Cunha, S. C., Monteiro, C., Fernandes, J. O., Guilhermino, L. (2020). Bisphenol A and its analogs in muscle and liver of fish from the North East Atlantic Ocean in relation to microplastic contamination. Exposure and risk to human consumers. *Journal of Hazardous Materials*, 122419. doi:https://doi.org/10.1016/j.jhazmat.2020.122419

Batool, F., Akbar, J., Iqbal, S., Noreen, S., Bukhari, S. N. A. (2018). Study of isothermal, kinetic, and thermodynamic parameters for adsorption of cadmium: an overview of linear and nonlinear approach and error analysis. *Bioinorganic Chemistry and Applications, 2018*. doi:https://doi.org/10.1155/2018/3463724

Batra, S., Datta, D., Beesabathuni, N. S., Kanjolia, N., Saha, S. (2019). Adsorption of Bisphenol-A from aqueous solution using amberlite XAD-7 impregnated with aliquat 336: Batch, column, and design studies. *Process Safety and Environmental Protection, 122*, 232-246. doi:https://doi.org/10.1016/j.psep.2018.12.005

Bele, S., Samanidou, V., Deliyanni, E. (2016). Effect of the reduction degree of graphene oxide on the adsorption of Bisphenol A. *Chemical Engineering Research and Design, 109*, 573-585. doi:https://doi.org/10.1016/j.cherd.2016.03.002

Belfroid, A., van Velzen, M., van der Horst, B., Vethaak, D. (2002). Occurrence of bisphenol A in surface water and uptake in fish: evaluation of field measurements. *Chemosphere, 49*(1), 97-103. doi:https://doi.org/10.1016/S0045-6535(02)00157-1

Bernier, M. R., Vandenberg, L. N. (2017). Handling of thermal paper: Implications for dermal exposure to bisphenol A and its alternatives. *PloS one, 12*(6), e0178449. doi:https://doi.org/10.1371/journal.pone.0178449

Bhalla, B., Saini, M., Jha, M. (2013). Effect of age and seasonal variations on leachate characteristics of municipal solid waste landfill. *International Journal of Research in Engineering and Technology, 2*(8), 223-232.

Bhandari, S., Poudel, D. K., Marahatha, R., Dawadi, S., Khadayat, K., Phuyal, S., Shrestha, S., Gaire, S., Basnet, K., Khadka, U. (2021). Microbial enzymes used in bioremediation. *Journal of Chemistry, 2021*, 1-17. doi:https://doi.org/10.1155/2021/8849512

Bhatia, D., Batra, S., Datta, D. (2019). Amine functionalized and Fe_3O_4 incorporated activated carbon for bisphenol-A separation. *Water Science and Technology, 79*(9), 1755-1765. doi:https://doi.org/10.2166/wst.2019.175

Bhatnagar, A., Anastopoulos, I. (2017). Adsorptive removal of bisphenol A (BPA) from aqueous solution: A review. *Chemosphere, 168*, 885-902. doi:https://doi.org/10.1016/j.chemosphere.2016.10.121

Bian, H., Li, Z., Liu, P., Pan, J. (2010). Spatial distribution and deposition history of nonylphenol and bisphenol A in sediments from the Changjiang River (Yangtze River) Estuary and its adjacent East China Sea. *Acta Oceanologica Sinica, 29*(5), 44-51. doi:https://doi.org/10.1007/s13131-010-0062-7

Bijoy Nandan, S., Nimila, P. J. (2012). Lindane toxicity: Histopathological, behavioural and biochemical changes in *Etroplus maculatus* (Bloch, 1795). *Marine Environmental Research, 76*, 63-70. doi:https://doi.org/10.1016/j.marenvres.2011.10.011

Bolognesi, C., Castle, L., Cravedi, J.-P., Engel, K.-H., Fowler, P. A. F., Franz, R., Grob, K., Gürtler, R., Husøy, T., Mennes, W. (2015). Scientific Opinion on the risks to public health related to the presence of bisphenol A (BPA) in foodstuffs: Executive summary. *EFSA Journal*. doi:https://doi.org/10.2903/j.efsa.2015.3978

Bolz, U., Hagenmaier, H., Körner, W. (2001). Phenolic xenoestrogens in surface water, sediments, and sewage sludge from Baden-Württemberg, south-west Germany.

Environmental Pollution, *115*(2), 291-301. doi:https://doi.org/10.1016/S0269-7491(01)00100-2

Boonnorat, J., Kanyatrakul, A., Prakhongsak, A., Honda, R., Panichnumsin, P., Boonapatcharoen, N. (2019). Effect of hydraulic retention time on micropollutant biodegradation in activated sludge system augmented with acclimatized sludge treating low-micropollutants wastewater. *Chemosphere*, *230*, 606-615. doi:https://doi.org/10.1016/j.chemosphere.2019.05.039

Borrirukwisitsak, S., Keenan, H. E., Gauchotte-Lindsay, C. (2012). Effects of salinity, pH and temperature on the octanol-water partition coefficient of bisphenol A. *International Journal of Environmental Science and Development*, *3*(5), 460. doi:https://doi.org/10.7763/IJESD.2012.V3.267

Botello, A. V., Villanueva, S. F., Leon, D., de la Lanza, G., Ponce, G. (2020). Microplastics and Bisphenol A (BPA) in Sediments of Coastal Lagoons of Veracruz, Mexico. *Journal of Toxicology Current Research*, *4*, 015.

Boumanchar, I., Chhiti, Y., Alaoui, F. E. M. h., El Ouinani, A., Sahibed-Dine, A., Bentiss, F., Jama, C., Bensitel, M. (2017). Effect of materials mixture on the higher heating value: Case of biomass, biochar and municipal solid waste. *Waste Management*, *61*, 78-86. doi:https://doi.org/10.1016/j.wasman.2016.11.012

Bousoumah, R., Leso, V., Iavicoli, I., Huuskonen, P., Viegas, S., Porras, S. P., Santonen, T., Frery, N., Robert, A., Ndaw, S. (2021). Biomonitoring of occupational exposure to bisphenol A, bisphenol S and bisphenol F: A systematic review. *Science of the Total Environment*, *783*, 146905. doi:https://doi.org/10.1016/j.scitotenv.2021.146905

Braga, R., Queiroga, T., Calixto, G., Almeida, H., Melo, D., Melo, M., Freitas, J., Curbelo, F. (2015). The energetic characterization of pineapple crown leaves. *Environmental Science and Pollution Research*, *22*, 18987-18993. doi:https://doi.org/10.1007/s11356-015-5082-6

Brion-Roby, R., Gagnon, J., Deschênes, J.-S., Chabot, B. (2018). Investigation of fixed bed adsorption column operation parameters using a chitosan material for treatment of arsenate contaminated water. *Journal of Environmental Chemical Engineering*, *6*(1), 505-511. doi:https://doi.org/10.1016/j.jece.2017.12.032

Brown, A. R., Green, J. M., Moreman, J., Gunnarsson, L. M., Mourabit, S., Ball, J., Winter, M. J., Trznadel, M., Correia, A., Hacker, C. (2019). Cardiovascular effects and molecular mechanisms of bisphenol A and its metabolite MBP in zebrafish. *Environmental Science & Technology*, *53*(1), 463-474. doi:https://doi.org/10.1021/acs.est.8b04281

Brugnari, T., Pereira, M. G., Bubna, G. A., de Freitas, E. N., Contato, A. G., Corrêa, R. C. G., Castoldi, R., de Souza, C. G. M., de Moraes, M. d. L. T., Bracht, A. (2018). A highly reusable MANAE-agarose-immobilized *Pleurotus ostreatus* laccase for degradation of bisphenol A. *Science of the Total Environment*, *634*, 1346-1351. doi:https://doi.org/10.1016/j.scitotenv.2018.04.051

Brugnera, M. F., Rajeshwar, K., Cardoso, J. C., Zanoni, M. V. B. (2010). Bisphenol A removal from wastewater using self-organized TIO_2 nanotubular array electrodes. *Chemosphere*, *78*(5), 569-575. doi:https://doi.org/10.1016/j.chemosphere.2009.10.058

Brusseau, M., Chorover, J. (2019). Chapter 8 - Chemical Processes Affecting Contaminant Transport and Fate. In M. L. Brusseau, I. L. Pepper, & C. P. Gerba (Eds.), *Environmental and Pollution Science (Third Edition)* (pp. 113-130): Academic Press.

Burbano, A., Gascó, G., Horst, F., Lassalle, V., Méndez, A. (2023). Production, characteristics and use of magnetic biochar nanocomposites as sorbents. *Biomass and Bioenergy*, *172*, 106772. doi:https://doi.org/10.1016/j.biombioe.2023.106772

Burra, K., Hussein, M., Amano, R., Gupta, A. (2016). Syngas evolutionary behavior during chicken manure pyrolysis and air gasification. *Applied Energy*, *181*, 408-415. doi:https://doi.org/10.1016/j.apenergy.2016.08.095

Bushra, B., Remya, N. (2020). Biochar from pyrolysis of rice husk biomass—characteristics, modification and environmental application. *Biomass Conversion and Biorefinery*, 1-12. doi:https://doi.org/10.1007/s13399-020-01092-3

Cai, Y., Ren, J., You, Z., Liu, J., Lu, G., Li, Y., Li, J. (2021). The sinking behavior of micro–nano particulate matter for bisphenol analogues in the surface water of an ecological demonstration zone, China. *Environmental Science: Processes & Impacts*, *23*(1), 98-108. doi:https://doi.org/10.1039/D0EM00366B

Canesi, L., Fabbri, E. (2015). Environmental effects of BPA: focus on aquatic species. *Dose-Response, 13*(3), 1559325815598304. doi:https://doi.org/10.1177/1559325815598304

Carnevali, O., Santangeli, S., Forner-Piquer, I., Basili, D., Maradonna, F. (2018). Endocrine-disrupting chemicals in aquatic environment: what are the risks for fish gametes? *Fish Physiology and Biochemistry, 44*, 1561-1576. doi:https://doi.org/10.1007/s10695-018-0507-z

Carreño, I., Vergano, P. (2014). Uses and potential abuses of "negative claims" in the EU: the urgent need for better regulation. *European Journal of Risk Regulation, 5*(4), 469-490.

CEA. (2019). National Environmental (Ambient Water Quality) Regulations. Retrieved from http://www.cea.lk/web/images/pdf/epc/2148-20_E-1.pdf

CEPA. 2017. Canadian Environmental Protection Act, 1999 Federal Environmental Quality Guidelines Bisphenol A.

CEPA. 2018. Canadian Environmental Protection Act, 1999 Federal Environmental Quality Guidelines Bisphenol A.

Cevallos, R. B. T., Aragón-Tobar, C. F., Gámez, S., de la Torre, E. (2020). Reactivation process of activated carbons: Effect on the mechanical and adsorptive properties. *Molecules, 25*(7), 1681. doi:https://doi.org/10.3390/molecules25071681

Chakraborty, J., Das, S. (2016). Molecular perspectives and recent advances in microbial remediation of persistent organic pollutants. *Environmental Science and Pollution Research, 23*, 16883-16903. doi:https://doi.org/10.1007/s11356-016-6887-7

Chakraborty, P., Shappell, N. W., Mukhopadhyay, M., Onanong, S., Rex, K. R., Snow, D. (2021). Surveillance of plasticizers, bisphenol A, steroids and caffeine in surface water of River Ganga and Sundarban wetland along the Bay of Bengal: occurrence, sources, estrogenicity screening and ecotoxicological risk assessment. *Water research, 190*, 116668. doi:https://doi.org/10.1016/j.watres.2020.116668

Chandran, D. G., Muruganandam, L., Biswas, R. (2023). A review on adsorption of heavy metals from wastewater using carbon nanotube and graphene-based nanomaterials. *Environmental Science and Pollution Research, 30*(51), 110010-110046. doi:https://doi.org/10.1016/j.watres.2020.116668

Chandrasekara, C., Piyadasa, R. U., Weerasinghe, K., Pathirana, S. (2013). *A Preliminary Study on Surface Water Quality Variations in Negombo, Muturajawela and their Coastal Region*. Human Resource Development Component, World Bank HETC project.

Chandrasekara, C. M. K. N. K., Weerasinghe, K., Pathirana, S., Piyadasa, R. U. (2018). Stresses over surface water sources in a human dominated environment: A case study in Hamilton canal, Sri Lanka. *International Journal of Disaster Resilience in the Built Environment*. doi:https://doi.org/10.1108/IJDRBE-03-2017-0017

Chandrasekara, C. M. K. N. K., Weerasinghe, K., Pathirana, S., Piyadasa, R. U. (2018). Stresses over surface water sources in a human dominated environment: A case study in Hamilton canal, Sri Lanka. *International Journal of Disaster Resilience in the Built Environment, 9*(2), 184-197. doi:https://doi.org/10.1108/IJDRBE-03-2017-0017

Chang, B. V., Yuan, S. Y., Chiou, C. C. (2011). Biodegradation of bisphenol-A in river sediment. *Journal of Environmental Science and Health, Part A, 46*(9), 931-937. doi:https://doi.org/10.1080/10934529.2011.586246

Chang, K.-L., Hsieh, J.-F., Ou, B.-M., Chang, M.-H., Hseih, W.-Y., Lin, J.-H., Huang, P.-J., Wong, K.-F., Chen, S.-T. (2012). Adsorption studies on the removal of an endocrine-disrupting compound (Bisphenol A) using activated carbon from rice straw agricultural waste. *Separation Science and Technology, 47*(10), 1514-1521. doi:https://doi.org/10.1080/01496395.2011.647212

Charulatha, G., Srinivasalu, S., Uma Maheswari, O., Venugopal, T., Giridharan, L. (2017). Evaluation of ground water quality contaminants using linear regression and artificial neural network models. *Arabian Journal of Geosciences, 10*, 1-9. doi:https://doi.org/10.1007/s12517-017-2867-6

CHEMTrust. (2024). Timeline of BPA. Retrieved from https://chemtrust.org/wp-content/uploads/bpa_timeline.png

Chen, C. X., Aris, A., Yong, E. L., Noor, Z. Z. (2022). A review of antibiotic removal from domestic wastewater using the activated sludge process: removal routes, kinetics and operational parameters. *Environmental Science and Pollution Research*, 1-16. doi:https://doi.org/10.1007/s11356-021-17365-x

Chen, H., Xu, H., Zhong, C., Liu, M., Yang, L., He, J., Sun, Y., Zhao, C., Wang, D. (2023). Treatment of landfill leachate by coagulation: A review. *Science of the Total Environment*, 169294. doi:https://doi.org/10.1016/j.scitotenv.2023.169294

Chen, J., Saili, K. S., Liu, Y., Li, L., Zhao, Y., Jia, Y., Bai, C., Tanguay, R. L., Dong, Q., Huang, C. (2017). Developmental bisphenol A exposure impairs sperm function and reproduction in zebrafish. *Chemosphere, 169*, 262-270. doi:https://doi.org/10.1016/j.chemosphere.2016.11.089

Chen, J., Zhang, D., Zhang, H., Ghosh, S., Pan, B. (2017). Fast and slow adsorption of carbamazepine on biochar as affected by carbon structure and mineral composition. *Science of the Total Environment, 579*, 598-605. doi:https://doi.org/10.1016/j.scitotenv.2016.11.052

Chen, T.-C., Shue, M.-F., Yeh, Y.-L., Hsieh, C.-Y., Kuo, Y.-T., Kuo, C.-T. (2009). Variation, correlation, and toxicity of phenolic endocrine-disrupting compounds in surface water. *Journal of Environmental Science and Health Part A, 44*(12), 1244-1250. doi:https://doi.org/10.1080/10934520903139977

Chen, T.-C., Shue, M.-F., Yeh, Y.-L., Kao, T.-J. (2010). Bisphenol A occurred in Kao-Pin River and its tributaries in Taiwan. *Environmental Monitoring and Assessment, 161*(1-4), 135-145. doi:https://doi.org/10.1007/s10661-008-0733-4

Cheng, J.-r., Wang, K., Yu, J., Yu, Z.-x., Yu, X.-b., Zhang, Z.-z. (2018). Distribution and fate modeling of 4-nonylphenol, 4-t-octylphenol, and bisphenol A in the Yong River of China. *Chemosphere, 195*, 594-605. doi:https://doi.org/10.1016/j.chemosphere.2017.12.085

Cheng, Y. L., Kim, J.-G., Kim, H.-B., Choi, J. H., Tsang, Y. F., Baek, K. (2021). Occurrence and removal of microplastics in wastewater treatment plants and drinking water purification facilities: A review. *Chemical Engineering Journal, 410*, 128381. doi:https://doi.org/10.1016/j.cej.2020.128381

Chiou, C. T. (2012). *Partition Coefficient and Water Solubility in Environmental Chemistry*.

Chitra, K., Maiby, S. (2014). Oxidative stress of bisphenol-A and its adverse effect on the liver of fresh water fish, *Oreochromis mossambicus*. *International Journal of*

Scientific Research *3*(7), 221-224. doi:https://doi.org/10.15373/22778179/July2014/69

Chitra, K., Sajitha, R. (2014). Effect of bisphenol-A on the antioxidant defense system and its impact on the activity of succinate dehydrogenase in the gill of freshwater fish, *Oreochromis mossambicus*. *Journal of Cell and Tissue Research*, *14*(2), 4219.

Choi, Y.-K., Kan, E. (2019). Effects of pyrolysis temperature on the physicochemical properties of alfalfa-derived biochar for the adsorption of bisphenol A and sulfamethoxazole in water. *Chemosphere, 218,* 741-748. doi:https://doi.org/10.1016/j.chemosphere.2018.11.151

Chung, Y.-C., Chen, C.-Y. (2009). Degradation of Di-(2-ethylhexyl) phthalate (DEHP) by TiO 2 photocatalysis. *Water, Air, and Soil Pollution, 200*, 191-198. doi:https://doi.org/10.1007/s11270-008-9903-9

Corrales, J., Kristofco, L. A., Steele, W. B., Yates, B. S., Breed, C. S., Williams, E. S., Brooks, B. W. (2015). Global assessment of bisphenol A in the environment: review and analysis of its occurrence and bioaccumulation. *Dose-Response, 13*(3), 1559325815598308. doi:https://doi.org/10.1177/1559325815598308

Cruz-López, A., Dávila-Pórcel, R. A., de León-Gómez, H., Rodríguez-Martínez, J. M., Suárez-Vázquez, S. I., Cardona-Benavides, A., Castro-Larragoitia, G. J., Boreselli, L., de Lourdes Villalba, M., Pinales-Munguía, A., Silva-Hidalgo, H., de la Garza, R., Del Socorro Espino-Valdes, M. (2020). Exploratory study on the presence of bisphenol A and bis(2-ethylhexyl) phthalate in the Santa Catarina River in Monterrey, N.L., Mexico. *Environmental Monitoring and Assessment, 192*(8), 488. doi:https://doi.org/10.1007/s10661-020-08446-4

Cwiek-Ludwicka, K. (2015). Bisphenol A (BPA) in food contact materials-new scientific opinion from EFSA regarding public health risk. *Roczniki Państwowego Zakładu Higieny, 66*(4), 299-307.

Czajczyńska, D., Nannou, T., Anguilano, L., Krzyżyńska, R., Ghazal, H., Spencer, N., Jouhara, H. (2017). Potentials of pyrolysis processes in the waste management sector. *Energy Procedia, 123*, 387-394. doi:https://doi.org/10.1016/j.egypro.2017.07.275

Czarny-Krzymińska, K., Krawczyk, B., Szczukocki, D. (2023). Bisphenol A and its substitutes in the aquatic environment: Occurrence and toxicity assessment. *Chemosphere*, 137763. doi:https://doi.org/10.1016/j.chemosphere.2023.137763

D'Amato, C. A., Giovannetti, R., Zannotti, M., Rommozzi, E., Minicucci, M., Gunnella, R., Di Cicco, A. (2018). Band gap implications on nano-TiO_2 surface modification with ascorbic acid for visible light-active polypropylene coated photocatalyst. *Nanomaterials, 8*(8), 599. doi:https://doi.org/10.3390/nano8080599

Dahanayaka, D., Wijeyaratne, M., Tonooka, H., Minato, A., Ozawa, S., Perera, B. (2014). *Monitoring and predicting eutrophication of Sri Lankan inland waters using ASTER satellite data.* Paper presented at the Remote Sensing of the Ocean, Sea Ice, Coastal Waters, and Large Water Regions 2014.

Dahanayaka, D. D. G. L., Perera, B., Wijeyaratne, M. J. S., Tonooka, H. (2016). Monitoring eutrophication trends in Bolgoda North Lake, Sri Lanka by satellite remote sensing. *Turkish Journal of Fisheries and Aquatic Sciences, 16*(3), 563-570. doi:https://doi.org/10.4194/1303-2712-v16_3_08

Dang, N. H., Tu, T. H., Linh, V. N. P., Thy, L. T. M., Nam, H. M., Phong, M. T., Hieu, N. H. (2019). Preparation of magnetic iron oxide/graphene aerogel nanocomposites for removal of bisphenol A from water. *Synthetic Metals, 255*, 116106. doi:https://doi.org/10.1016/j.synthmet.2019.116106

Das, D., Samal, D. P., Meikap, B. (2015). Preparation of activated carbon from green coconut shell and its characterization. *Journal of Chemical Engineering & Process Technology, 6*(5), 1000248. doi:https://doi.org/10.4172/2157-7048.1000248

Dehghani, M. H., Karri, R. R., Alimohammadi, M., Nazmara, S., Zarei, A., Saeedi, Z. (2020). Insights into endocrine-disrupting Bisphenol-A adsorption from pharmaceutical effluent by chitosan immobilized nanoscale zero-valent iron nanoparticles. *Journal of Molecular Liquids, 311*, 113317. doi:https://doi.org/10.1016/j.molliq.2020.113317

Del Bubba, M., Anichini, B., Bakari, Z., Bruzzoniti, M. C., Camisa, R., Caprini, C., Checchini, L., Fibbi, D., El Ghadraoui, A., Liguori, F. (2020). Physicochemical properties and sorption capacities of sawdust-based biochars and commercial activated carbons towards ethoxylated alkylphenols and their phenolic metabolites in effluent

wastewater from a textile district. *Science of the Total Environment, 708*, 135217. doi:https://doi.org/10.1016/j.scitotenv.2019.135217

Dettori, M., Arghittu, A., Deiana, G., Castiglia, P., Azara, A. (2022). The revised European Directive 2020/2184 on the quality of water intended for human consumption. A step forward in risk assessment, consumer safety and informative communication. *Environmental Research, 209*, 112773. doi:https://doi.org/10.1016/j.envres.2022.112773

Devens, K. U., Neto, S. P., Oliveira, D., Gonçalves, M. S. (2018). Characterization of biochar from green coconut shell and orange peel wastes. *Revista Virtual de Quimica, 10*(2), 288-294. doi:http://dx.doi.org/10.21577/1984-6835.20180022

Dhagat, S., Jujjavarapu, S. E. (2022). Utility of lignin-modifying enzymes: a green technology for organic compound mycodegradation. *Journal of Chemical Technology & Biotechnology, 97*(2), 343-358. doi:https://doi.org/10.1002/jctb.6807

Dharupaneedi, S. P., Nataraj, S. K., Nadagouda, M., Reddy, K. R., Shukla, S. S., Aminabhavi, T. M. (2019). Membrane-based separation of potential emerging pollutants. *Separation and Purification Technology, 210*, 850-866. doi:https://doi.org/10.1016/j.seppur.2018.09.003

Dissanayaka, D., Vasanthapriyan, S. (2019). *Forecast municipal solid waste generation in Sri Lanka.* Paper presented at the 2019 international conference on advancements in computing (ICAC).

Dissanayaka, N. S., Dissanayake, L., Dassanayake, S. D., Udumann, S. S., Keerthisinghe, J. P., Jayalath, N., Idirisinghe, S. K., Silva, S., Gammampila, J., Janaka, R. (2023). *Enhancing Sustainable Agriculture through King Coconut Husk Ash: Investigating Optimal Processing Parameters for High Potassium Content and Efficient Waste Management.* Paper presented at the Biology and Life Sciences Forum.

Dissanayake, L., Dharmakeerthi, R., Herath, I. (2019). *Production and Characterization of King Coconut Waste Biochar*.

Dong, H., Li, L., Lu, Y., Cheng, Y., Wang, Y., Ning, Q., Wang, B., Zhang, L., Zeng, G. (2019). Integration of nanoscale zero-valent iron and functional anaerobic bacteria for groundwater remediation: a review. *Environment International, 124*, 265-277. doi:https://doi.org/10.1016/j.envint.2019.01.030

Dong, J., Li, X., Ruan, T., Zhou, S., Lin, L. (2009). Phenol pollution in the sediments of the Pearl River estuary area and its potential risk assessment to the eco-security. *Journal of Environment and Safety, 9*, 113-116.

Dong, Y., Wu, H., Yang, F., Gray, S. (2022). Cost and efficiency perspectives of ceramic membranes for water treatment. *Water Research, 220*, 118629. doi:https://doi.org/10.1016/j.watres.2022.118629

Dubinin, M. (1960). The potential theory of adsorption of gases and vapors for adsorbents with energetically nonuniform surfaces. *Chemical Reviews, 60*(2), 235-241. doi:https://doi.org/10.1021/cr60204a006

Dudchenko, A. V., Rolf, J., Shi, L., Olivas, L., Duan, W., Jassby, D. (2015). Coupling underwater superoleophobic membranes with magnetic pickering emulsions for fouling-free separation of crude oil/water mixtures: an experimental and theoretical study. *ACS Nano, 9*(10), 9930-9941. doi:https://doi.org/10.1021/acsnano.5b04880

Dura, A. M., Stefan, D. S., Chiriac, L., Trusca, R., Nicoara, A. I., Stefan, M. (2023). Clinoptilolite—A Sustainable Material for Removal of Bisphenol A from Water. doi:https://doi.org/10.20944/preprints202307.2122.v1

ECHA. 2017. Agreement of the Member State Committee on the identification of 4, 4′-isopropylidenediphenol (bisphenol A) as a substance of very high concern. In: European Chemical Agency (ECHA).

Ekanayaka, E., Dissanayake, D., Udumann, S., Dissanayaka, D., Nuwarapaksha, T., Herath, H., Atapattu, A. J. (2023). *Sustainable Utilization of King Coconut Husk as a Feedstock in Biochar Production with the Highest Conversion Efficiency and Desirable Properties.* Paper presented at the IOP Conference Series: Earth and Environmental Science.

El-Kalliny, A. S., Abdel-Wahed, M. S., El-Zahhar, A. A., Hamza, I. A., Gad-Allah, T. A. (2023). Nanomaterials: a review of emerging contaminants with potential health or environmental impact. *Discover Nano, 18*(1), 68. doi:https://doi.org/10.1186/s11671-023-03787-8

Eltoukhy, A., Jia, Y., Lamraoui, I., Abo-Kadoum, M., Atta, O. M., Nahurira, R., Wang, J., Yan, Y. (2022). Transcriptome analysis and cytochrome P450 monooxygenase reveal the molecular mechanism of Bisphenol A degradation by *Pseudomonas putida*

strain YC-AE1. *BMC Microbiology, 22*(1), 294. doi:https://doi.org/10.1186/s12866-022-02689-6

Emfietzoglou, R., Spyrou, N., Mantzoros, C. S., Dalamaga, M. (2019). Could the endocrine disruptor bisphenol-A be implicated in the pathogenesis of oral and oropharyngeal cancer? Metabolic considerations and future directions. *Metabolism, 91*, 61-69. doi:https://doi.org/10.1016/j.metabol.2018.11.007

EPA. 1996. SW-846 Test Method 3630C: Silica Gel Cleanup. In: EPA Washington, DC.

EPA. 2004. SW-846 test method 9045D: Soil and solid waste pH. In: EPA Washington, DC.

Eromo, A. C., Sailu, C., Eranna, B. C., Parameswarlu, B. (2023). Photocatalytic degradation of bisphenol-a in waste water. *Catalyst Research, 23*(1), 548–573.

Errico, S., Nicolucci, C., Migliaccio, M., Micale, V., Mita, D. G., Diano, N. (2017). Analysis and occurrence of some phenol endocrine disruptors in two marine sites of the northern coast of Sicily (Italy). *Marine Pollution Bulletin, 120*(1-2), 68-74. doi:https://doi.org/10.1016/j.marpolbul.2017.04.061

Etacheri, V., Di Valentin, C., Schneider, J., Bahnemann, D., Pillai, S. C. (2015). Visible-light activation of TiO_2 photocatalysts: Advances in theory and experiments. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 25*, 1-29. doi:https://doi.org/10.1016/j.jphotochemrev.2015.08.003

European Union. 2008. Updated European Risk Assessment Report 4, 4'-isopropylidenediphenol (Bisphenol-A). In: European Union.

Fabrello, J., Matozzo, V. (2022). Bisphenol analogs in aquatic environments and their effects on marine species—a review. *Journal of Marine Science and Engineering, 10*(9), 1271. doi:https://doi.org/10.3390/jmse10091271

Fachina, Y. J., Andrade, M. B. d., Guerra, A. C. S., Santos, T. R. T. d., Bergamasco, R., Vieira, A. M. S. (2020). Graphene oxide functionalized with cobalt ferrites applied to the removal of bisphenol A: ionic study, reuse capacity and desorption kinetics. *Environmental Technology*, 1-17. doi:https://doi.org/10.1080/09593330.2020.1830183

Faheem, M., Lone, K. P. (2017). Oxidative stress and histopathologic biomarkers of exposure to bisphenol-A in the freshwater fish, *Ctenopharyngodon idella*. *Brazilian Journal of Pharmaceutical Sciences, 53*(3). doi:https://doi.org/10.1590/s2175-97902017000317003

Fang, D., Wang, J., Cui, D., Dong, X., Tang, C., Zhang, L., Yue, D. (2021). Recent advances of landfill leachate treatment. *Journal of the Indian Institute of Science*, 1-40. doi:https://doi.org/10.1007/s41745-021-00262-0

Fang, J., Zhao, R., Rao, B., Rakowska, M., Athanasiou, D., Millerick, K., Wei, S., Lei, X., Lou, H. H., Reible, D. D. (2021). Removal of polycyclic aromatic hydrocarbons from water using Mn (III)-based advanced oxidation process. *Journal of Environmental Engineering*, *147*(3), 04021002. doi:https://doi.org/10.1061/(ASCE)EE.1943-7870.0001845

Fang, Z., Hu, Y., Cheng, J., Chen, Y. (2019). Continuous removal of trace bisphenol A from water by high efficacy TiO_2 nanotube pillared graphene-based macrostructures in a photocatalytically fluidized bed. *Chemical Engineering Journal, 372*, 581-589. doi:https://doi.org/10.1016/j.cej.2019.04.129

Fasce, L., Bocero, F., Ramos, C., Inchaurrondo, N. (2023). Enhanced mineralization of bisphenol A by electric arc furnace slag: Catalytic ozonation. *Chemical Engineering Journal Advances, 16*, 100576. doi:https://doi.org/10.1016/j.ceja.2023.100576

Fatema, K., Omar, W., Isa, M. (2015). Effects of tidal events on the water quality in the Merbok Estuary, Kedah, Malaysia. *Journal of Environmental Science and Natural Resources, 8*(2), 15-19. doi:https://doi.org/10.3329/jesnr.v8i2.26858

FDA. (2012). Indirect food additives: polymers. *Federal Register, 77*, 41899-41902.

Fernando, J. C., Peiris, C., Navarathna, C. M., Gunatilake, S. R., Welikala, U., Wanasinghe, S. T., Madduri, S. B., Jayasinghe, S., Mlsna, T. E., Ferez, F. (2021). Nitric acid surface pre-modification of novel Lasia spinosa biochar for enhanced methylene blue remediation. *Groundwater for Sustainable Development, 14*, 100603. doi:https://doi.org/10.1016/j.gsd.2021.100603

Fernando, R. L. S. (2019). Solid waste management of local governments in the Western Province of Sri Lanka: An implementation analysis. *Waste Management, 84*, 194-203. doi:https://doi.org/10.1016/j.wasman.2018.11.030

Flint, S., Markle, T., Thompson, S., Wallace, E. (2012). Bisphenol A exposure, effects, and policy: a wildlife perspective. *Journal of Environmental Management, 104*, 19-34. doi:https://doi.org/10.1016/j.jenvman.2012.03.021

Fofonoff, N. P., Millard, R. C. (1983). Algorithms for the computation of fundamental properties of seawater. *Unesco Technical Papers in Marine Science, 44*, 53. doi:https://doi.org/10.25607/OBP-1450

Folorunsho, O., Bogush, A., Kourtchev, I. (2023). A new on-line SPE LC-HRMS method for simultaneous analysis of selected emerging contaminants in surface waters. *Analytical Methods, 15*(3), 284-296. doi:https://doi.org/10.1039/D2AY01574A

Frankowski, R., Zgoła-Grześkowiak, A., Grześkowiak, T., Sojka, K. (2020). The presence of bisphenol A in the thermal paper in the face of changing European regulations–A comparative global research. *Environmental Pollution, 265*, 114879. doi:https://doi.org/10.1016/j.envpol.2020.114879

Freundlich, H. (1906). Over the adsorption in solution. *Journal of Physical Chemistry, 57*(385471), 1100-1107.

Fromme, H., Küchler, T., Otto, T., Pilz, K., Müller, J., Wenzel, A. (2002). Occurrence of phthalates and bisphenol A and F in the environment. *Water Research, 36*(6), 1429-1438. doi:https://doi.org/10.1016/S0043-1354(01)00367-0

Fu, J., Shen, Y., Xu, X., Li, J. (2016). Genetic parameter estimates for growth of grass carp, Ctenopharyngodon idella, at 10 and 18 months of age. *Aquaculture, 450*, 342-348. doi:https://doi.org/10.1016/j.aquaculture.2015.08.018

Fucic, A., Galea, K. S., Duca, R. C., El Yamani, M., Frery, N., Godderis, L., Halldorsson, T. I., Iavicoli, I., Ndaw, S., Ribeiro, E. (2018). Potential health risk of endocrine disruptors in construction sector and plastics industry: a new paradigm in occupational health. *International Journal of Environmental Research and Public Health, 15*(6), 1229. doi:https://doi.org/10.3390/ijerph15061229

Gámiz, B., Hall, K., Spokas, K. A., Cox, L. (2019). Understanding activation effects on low-temperature biochar for optimization of herbicide sorption. *Agronomy, 9*(10), 588. doi:https://doi.org/10.3390/agronomy9100588

Ganiyu, S. O., Van Hullebusch, E. D., Cretin, M., Esposito, G., Oturan, M. A. (2015). Coupling of membrane filtration and advanced oxidation processes for removal of

pharmaceutical residues: A critical review. *Separation and Purification Technology, 156*, 891-914. doi:https://doi.org/10.1016/j.seppur.2015.09.059

Gao, H., Han, X., Wang, R., Zhu, K., Han, R. (2023). Adsorption and catalytic degradation of bisphenol A and p-chlorophenol by magnetic carbon nanotubes. *Environmental Research, 231*, 116314. doi:https://doi.org/10.1016/j.envres.2023.116314

Gao, J., Duan, X., O'Shea, K., Dionysiou, D. D. (2020). Degradation and transformation of bisphenol A in UV/Sodium percarbonate: Dual role of carbonate radical anion. *Water Research, 171*, 115394. doi:https://doi.org/10.1016/j.watres.2019.115394

Gao, J., Oloibiri, V., Chys, M., Audenaert, W., Decostere, B., He, Y., Van Langenhove, H., Demeestere, K., Van Hulle, S. W. (2015). The present status of landfill leachate treatment and its development trend from a technological point of view. *Reviews in Environmental Science and Bio/Technology, 14*, 93-122. doi:https://doi.org/10.1007/s11157-014-9349-z

Gao, Y., Xiao, S.-K., Wu, Q., Pan, C.-G. (2023). Bisphenol analogues in water and sediment from the Beibu Gulf, South China Sea: Occurrence, partitioning and risk assessment. *Science of the Total Environment, 857*, 159445. doi:https://doi.org/10.1016/j.scitotenv.2022.159445

Garbaa, A., Basri, H., Nasri, N. S. (2018). Adsorption of Bisphenol A from Aqueous Solution on Ammonia Modified Carbon: Fixed-Bed Studies. *Advanced Science Letters, 24*(5), 3573-3578. doi:https://doi.org/10.1166/asl.2018.11438

Garikoé, I., Guel, B., Persson, I. (2022). Sorption of Bisphenol A as Model for Sorption Ability of Organoclays. *Molecules, 27*(14), 4343. doi:https://doi.org/10.3390/molecules27144343

Garrido, E., Camacho-Muñoz, D., Martín, J., Santos, A., Santos, J. L., Aparicio, I., Alonso, E. (2016). Monitoring of emerging pollutants in Guadiamar River basin (South of Spain): analytical method, spatial distribution and environmental risk assessment. *Environmental Science and Pollution Research, 23*(24), 25127-25144. doi:https://doi.org/10.1007/s11356-016-7759-x

Gewurtz, S. B., Tardif, G., Power, M., Backus, S. M., Dove, A., Dubé-Roberge, K., Garron, C., King, M., Lalonde, B., Letcher, R. J. (2021). Bisphenol A in the Canadian environment: A multimedia analysis. *Science of the Total Environment, 755*, 142472. doi:https://doi.org/10.1016/j.scitotenv.2017.05.069

Girit, B., Dursun, D., Olmez-Hanci, T., Arslan-Alaton, I. (2015). Treatment of aqueous bisphenol A using nano-sized zero-valent iron in the presence of hydrogen peroxide and persulfate oxidants. *Water Science and Technology, 71*(12), 1859-1868. doi:https://doi.org/10.2166/wst.2015.175

Godiya, C. B., Park, B. J. (2022). Removal of bisphenol A from wastewater by physical, chemical and biological remediation techniques. A review. *Environmental Chemistry Letters, 20*(3), 1801-1837. doi:https://doi.org/10.1007/s10311-021-01378-6

GodvinSharmila, V., Shanmugavel, S. P., Tyagi, V. K., Banu, J. R. (2023). Microplastics as emergent contaminants in landfill leachate: Source, potential impact and remediation technologies. *Journal of Environmental Management, 343*, 118240. doi:https://doi.org/10.1016/j.jenvman.2023.118240

Goeury, K., Munoz, G., Vo Duy, S., Prévost, M., Sauvé, S. (2022). Occurrence and seasonal distribution of steroid hormones and bisphenol A in surface waters and suspended sediments of Quebec, Canada. *Environmental Advances, 8*, 100199. doi:https://doi.org/10.1016/j.envadv.2022.100199

Gómez-Serrano, V., Adame-Pereira, M., Alexandre-Franco, M., Fernández-González, C. (2020). Adsorption of bisphenol A by activated carbon developed from PET waste by KOH activation. *Environmental Science and Pollution Research*, 1-13. doi:https://doi.org/10.1007/s11356-020-08428-6

Gong, J., Ran, Y., Chen, D., Yang, Y., Ma, X. (2009). Occurrence and environmental risk of endocrine-disrupting chemicals in surface waters of the Pearl River, South China. *Environmental Monitoring and Assessment, 156*(1), 199-210. doi:https://doi.org/10.1007/s10661-008-0474-4

Gong, J., Ran, Y., Zhang, D., Chen, D., Li, H., Huang, Y. (2019). Vertical profiles and distributions of aqueous endocrine-disrupting chemicals in different matrices from the Pearl River Delta and the influence of environmental factors. *Environmental Pollution, 246*, 328-335. doi:https://doi.org/10.1016/j.envpol.2018.12.015

Gong, Y., Tian, H., Wang, L., Yu, S., Ru, S. (2014). An integrated approach combining chemical analysis and an in vivo bioassay to assess the estrogenic potency of a municipal solid waste landfill leachate in Qingdao. *PloS one, 9*(4), e95597. doi:https://doi.org/10.1371/journal.pone.0095597

Government of Canada. (2010). *Order amending schedule I to the hazardous products act (Bisphenol A).*

Grybauskiene, V., Vyciene, G., Hietaranta, J. (2011). *Leachate dynamics of jerubaiciai landfill*. Paper presented at the Environmental Engineering. Proceedings of the International Conference on Environmental Engineering. ICEE.

Gunaruwan, T., Gunasekara, W. (2013). *Economics of Composting Municipal Solid Waste: An Analysis of the Experiment at Weligama.* Paper presented at the Sri Lanka Forum of University Economists.

Guo, L., Li, Z., Gao, P., Hu, H., Gibson, M. (2015). Ecological risk assessment of bisphenol A in surface waters of China based on both traditional and reproductive endpoints. *Chemosphere, 139*, 133-137. doi:https://doi.org/10.1016/j.chemosphere.2015.06.001

Gupta, S. K., Singh, B., Mungray, A. K., Bharti, R., Nema, A. K., Pant, K., Mulla, S. I. (2022). Bioelectrochemical technologies for removal of xenobiotics from wastewater. *Sustainable Energy Technologies and Assessments, 49*, 101652. doi:https://doi.org/10.1016/j.seta.2021.101652

Hafezi, S. A., Abdel-Rahman, W. M. (2019). The endocrine disruptor bisphenol A (BPA) exerts a wide range of effects in carcinogenesis and response to therapy. *Current Molecular Pharmacology, 12*(3), 230-238. doi:https://doi.org/10.2174/1874467212666190306164507

Hahladakis, J. N., Iacovidou, E., Gerassimidou, S. (2023). An overview of the occurrence, fate, and human risks of the bisphenol-A present in plastic materials, components, and products. *Integrated Environmental Assessment and Management, 19*(1), 45-62. doi: https://doi.org/10.1002/ieam.4611

Hahladakis, J. N., Velis, C. A., Weber, R., Iacovidou, E., Purnell, P. (2018). An overview of chemical additives present in plastics: Migration, release, fate and

environmental impact during their use, disposal and recycling. *Journal of Hazardous Materials, 344*, 179-199. doi:https://doi.org/10.1016/j.jhazmat.2017.10.014

Halim, S. A., Swithenbank, J. (2016). Characterisation of Malaysian wood pellets and rubberwood using slow pyrolysis and microwave technology. *Journal of Analytical and Applied Pyrolysis, 122*, 64-75. doi:https://doi.org/10.1016/j.jaap.2016.10.021

Han, Y., Dai, H., Rong, X., Jiang, H., Xue, Y. (2023). Research progress of methods for degradation of Bisphenol A. *Molecules, 28*(24), 8028. doi:https://doi.org/10.3390/molecules28248028

Harvey, A. (2022). *Study of the retention of bisphenol-A by two nanofiltration membranes of different molecular weight cut-off.* Retrieved from https://riunet.upv.es/handle/10251/183151

Haryanto, A., Hidayat, W., Hasanudin, U., Iryani, D. A., Kim, S., Lee, S., Yoo, J. (2021). Valorization of Indonesian wood wastes through pyrolysis: A review. *Energies, 14*(5), 1407. doi:https://doi.org/10.3390/en14051407

Hasanzadeh, M., Ansari, R., Ostovar, F. (2016). Synthesis and application of CeO_2/sawdust nanocomposite for removal of As (III) ions from aqueous solutions using a fixed bed column system. *Global NEST Journal, 19*, 7-16. doi:https://doi.org/10.30955/gnj.001969

Haubruge, E., Petit, F., Gage, M. J. (2000). Reduced sperm counts in guppies (*Poecilia reticulata*) following exposure to low levels of tributyltin and bisphenol A. *Proceedings of the Royal Society of London. Series B: Biological Sciences, 267*(1459), 2333-2337. doi:https://doi.org/10.1098/rspb.2000.1288

Hayoun, B., Bourouina-Bacha, S., Pazos, M., Sanromán, M. A., Benkhennouche-Bouchene, H., Deflaoui, O., Hamaidi-Maouche, N., Bourouina, M. (2021). Production of modified sunflowers seed shells for the removal of bisphenol A. *RSC Advances, 11*(6), 3516-3533. doi:https://doi.org/10.1039/D0RA09137E

He, J., Yang, X., Liu, H. (2021). Enhanced toxicity of triphenyl phosphate to zebrafish in the presence of micro-and nano-plastics. *Science of the Total Environment, 756*, 143986. doi:https://doi.org/10.1016/j.scitotenv.2020.143986

He, Y., Yan, J., He, X., Weng, W., Cheng, K. (2022). PLLA/Graphene Nanocomposites Membranes with Improved Biocompatibility and Mechanical Properties. *Coatings, 12*(6), 718. doi:https://doi.org/10.3390/coatings12060718

Hemali, N., De Alwis, A. (2022). Application of Material Flow Analysis to Municipal Solid Waste in Urban Areas in Developing Countries and Possible Solutions Under Circular Economic Framework. *Nature Environment & Pollution Technology, 21*(3). doi:https://doi.org/10.46488/NEPT.2022.v21i03.050

Herath, P., Jayawardana, D., Bandara, N. (2023). Surface emission determination of selected trace gases from an active municipal solid waste dumpsite under the surface physicochemical heterogeneity. *Waste Management, 160*, 51-58. doi:https://doi.org/10.1016/j.wasman.2023.02.006

Herath, P. L., Jayawardana, D., Bandara, N. (2022). Spatial variability of Methane and Carbon dioxide emissions from an active municipal solid waste dumpsite under various surface physicochemical conditions. doi:https://doi.org/10.21203/rs.3.rs-1631059/v1

Herath, P. L., Jayawardana, D., Bandara, N. (2023). Quantification of methane and carbon dioxide emissions from an active landfill: study the effect of surface conditions on emissions. *Environmental Earth Sciences, 82*(2), 64. doi:https://doi.org/10.1007/s12665-023-10745-1

Hernández-Abreu, A., Álvarez-Torrellas, S., Rocha, R., Pereira, M., Águeda, V., Delgado, J., Larriba, M., García, J., Figueiredo, J. (2021). Effective adsorption of the endocrine disruptor compound bisphenol a from water on surface-modified carbon materials. *Applied Surface Science, 552*, 149513. doi:https://doi.org/10.1016/j.apsusc.2021.149513

Hlekelele, L., Nomadolo, N. E., Setshedi, K. Z., Mofokeng, L. E., Chetty, A., Chauke, V. P. (2019). Synthesis and characterization of polyaniline, polypyrrole and zero-valent iron-based materials for the adsorptive and oxidative removal of bisphenol-A from aqueous solution. *RSC Advances, 9*(25), 14531-14543. doi:https://doi.org/10.1039/C9RA01666J

Ho, Y.-S., McKay, G. (1999). Pseudo-second order model for sorption processes. *Process Biochemistry, 34*(5), 451-465. doi:https://doi.org/10.1016/S0032-9592(98)00112-5

Hofman-Caris, R., Dingemans, M., Reus, A., Shaikh, S. M., Muñoz Sierra, J., Karges, U., Beek, T. a. d., Nogueiro, E., Lythgo, C. (2023). Guidance document on the impact of water treatment processes on residues of active substances or their metabolites in water abstracted for the production of drinking water. *EFSA Journal, 21*(8), e08194. doi:https://doi.org/10.2903/j.efsa.2023.8194

Hu, Q., Huang, Q., Yang, D., Liu, H. (2021). Prediction of breakthrough curves in a fixed-bed column based on normalized Gudermannian and error functions. *Journal of Molecular Liquids, 323*, 115061. doi:https://doi.org/10.1016/j.molliq.2020.115061

Huang, C., Wu, L.-H., Liu, G.-Q., Shi, L., Guo, Y. (2018). Occurrence and ecological risk assessment of eight endocrine-disrupting chemicals in urban river water and sediments of South China. *Archives of Environmental Contamination and Toxicology, 75*(2), 224-235. doi:https://doi.org/10.1007/s00244-018-0527-9

Huang, Y., Wong, C., Zheng, J., Bouwman, H., Barra, R., Wahlström, B., Neretin, L., Wong, M. H. (2012). Bisphenol A (BPA) in China: a review of sources, environmental levels, and potential human health impacts. *Environment International, 42*, 91-99. doi:https://doi.org/10.1016/j.envint.2011.04.010

Huang, Z., Zhao, J.-L., Yang, Y.-Y., Jia, Y.-W., Zhang, Q.-Q., Chen, C.-E., Liu, Y.-S., Yang, B., Xie, L., Ying, G.-G. (2020). Occurrence, mass loads and risks of bisphenol analogues in the Pearl River Delta region, South China: Urban rainfall runoff as a potential source for receiving rivers. *Environmental Pollution, 263*, 114361. doi:https://doi.org/10.1016/j.envpol.2020.114361

Huang, Z., Zhao, J.-L., Zhang, C.-Y., Rao, W.-L., Liang, G.-H., Zhang, H., Liu, Y.-H., Guan, Y.-F., Zhang, H.-Y., Ying, G.-G. (2021). Profile and removal of bisphenol analogues in hospital wastewater, landfill leachate, and municipal wastewater in South China. *Science of the Total Environment, 790*, 148269. doi:https://doi.org/10.1016/j.scitotenv.2021.148269

Hugo, E. R., Brandebourg, T. D., Woo, J. G., Loftus, J., Alexander, J. W., Ben-Jonathan, N. (2008). Bisphenol A at environmentally relevant doses inhibits adiponectin release from human adipose tissue explants and adipocytes. *Environmental Health Perspectives, 116*(12), 1642-1647. doi:https://doi.org/10.1289/ehp.11537

Ifelebuegu, A. O., Salauh, H. T., Zhang, Y., Lynch, D. E. (2018). Adsorptive properties of poly (1-methylpyrrol-2-ylsquaraine) particles for the removal of endocrine-disrupting chemicals from aqueous solutions: batch and fixed-bed column studies. *Processes, 6*(9), 155. doi:https://doi.org/10.3390/pr6090155

Im, J., Löffler, F. E. (2016). Fate of bisphenol A in terrestrial and aquatic environments. *Environmental Science & Technology, 50*(16), 8403-8416. doi:https://doi.org/10.1021/acs.est.6b00877

Inam, E. J., Nwoke, I. B., Udosen, E. D., Offiong, N.-A. O. (2019). Ecological risks of phenolic endocrine disrupting compounds in an urban tropical river. *Environmental Science and Pollution Research, 26*(21), 21589-21597. doi:https://doi.org/10.1007/s11356-019-05458-7

Ingwani, T., Chaukura, N., Mamba, B. B., Nkambule, T., Gilmore, A. (2023). Detection and Quantification of Bisphenol A in Surface Water Using Absorbance-Transmittance and Fluorescence Excitation-Emission Matrices (A-TEEM) Coupled with Multi-Way Techniques. doi:https://doi.org/10.3390/molecules28207048

Inyinbor, A., Adekola, F., Olatunji, G. A. (2016). Kinetics, isotherms and thermodynamic modeling of liquid phase adsorption of Rhodamine B dye onto *Raphia hookerie* fruit epicarp. *Water Resources and Industry, 15*, 14-27. doi:https://doi.org/10.1016/j.wri.2016.06.001

Islam, M. S., Ang, B. C., Gharehkhani, S., Afifi, A. B. M. (2016). Adsorption capability of activated carbon synthesized from coconut shell. *Carbon letters, 20*, 1-9. doi:https://doi.org/10.5714/CL.2016.20.001

Ismanto, A., Hadibarata, T., Kristanti, R. A., Maslukah, L., Safinatunnajah, N., Sathishkumar, P. (2022). The abundance of endocrine-disrupting chemicals (EDCs) in downstream of the Bengawan Solo and Brantas rivers located in Indonesia. *Chemosphere, 297*, 134151. doi:https://doi.org/10.1016/j.chemosphere.2022.134151

Jafar, R., Awad, A., Hatem, I., Jafar, K., Awad, E., Shahrour, I. (2023). Multiple linear regression and machine learning for predicting the drinking water quality index in Al-Seine lake. *Smart Cities, 6*(5), 2807-2827.

Jafer, M., Ibrahim, H., Taufiq-Yap, Y. (2019). Bisphenol A Removal from Aqueous Solution Using Waste Agarwood Activated Carbon: Kinetic and Isotherm

Investigation of Adsorption Process. *Eurasian Journal of Analytical Chemistry, 14*(4), 33-41.

Jain, A. (2020). *State of Plastics Waste in Asia and the Pacific-Issues, Challenges and Circular Economic Opportunities.* Paper presented at the 10th Regional 3R and Circular Economy Forum in Asia and the Pacific (Series of Webinars).

Jambeck, J. R., Geyer, R., Wilcox, C., Siegler, T. R., Perryman, M., Andrady, A., Narayan, R., Law, K. L. (2015). Plastic waste inputs from land into the ocean. *Science, 347*(6223), 768-771. doi:https://doi.org/10.1126/science.1260352

Janda, R., Ukić, Š., Mikulec, N., Vitale, K. (2021). Bisphenol A–an environmental and human threat. *Agriculturae Conspectus Scientificus, 86*(4), 295-304.

Janu, R., Mrlik, V., Ribitsch, D., Hofman, J., Sedláček, P., Bielská, L., Soja, G. (2021). Biochar surface functional groups as affected by biomass feedstock, biochar composition and pyrolysis temperature. *Carbon Resources Conversion, 4*, 36-46. doi:https://doi.org/10.1016/j.crcon.2021.01.003

Japan International Cooperation Agency. (2016). Data collection survey on solid waste management in Democratic Socialist Republic of Sri Lanka. Retrieved from https: //openjicareport.jica.go.jp/pdf/12250213.pdf

Jaradat, A., Telfah, D. a. B., Ismail, R. (2021). Heavy metals removal from landfill leachate by coagulation/flocculation process combined with continuous adsorption using eggshell waste materials. *Water Science and Technology, 84*(12), 3817-3832. doi:https://doi.org/10.2166/wst.2021.493

Jaria, G., Calisto, V., Silva, C. P., Gil, M. V., Otero, M., Esteves, V. I. (2019). Fixed-bed performance of a waste-derived granular activated carbon for the removal of micropollutants from municipal wastewater. *Science of the Total Environment, 683*, 699-708. doi:https://doi.org/10.1016/j.scitotenv.2019.05.198

Jayasinghe, M. D., Madage, S. S. K., Hewajulige, I. G. N., Jayawardana, T. M. D. A., Halmillawewa, A. P., Divisekera, D. M. W. D. (2022). Identification of Potentially Hazardous Microorganisms and Assessment of Physicochemical Deterioration of Thermally Processed King Coconut (*Cocos nucifera* var. *aurantiaca*) Water under Different Processing Conditions in Sri Lanka. *Journal of Food Quality, 2022*. doi:https://doi.org/10.1155/2022/6752088

Jayasiri, H. B., Haputhantri, S. S. K. (2015). Negombo Lagoon, Sri Lanka. Retrieved from https://www.cbd.int/doc/meetings/mar/ebsaws-2015-01/other/ebsaws-2015-01-template-srilanka-en.pdf

Jedynak, K., Charmas, B. (2023). Adsorption properties of biochars obtained by KOH activation. *Adsorption*, 1-17. doi:https://doi.org/10.1007/s10450-023-00399-7

Jia, Z., Chang, X., Duan, T., Wang, X., Wei, T., Li, Y. (2021). Water quality responses to rainfall and surrounding land uses in urban lakes. *Journal of Environmental Management, 298*, 113514. doi:https://doi.org/10.1016/j.jenvman.2021.113514

Jin, H., Zhu, L. (2016). Occurrence and partitioning of bisphenol analogues in water and sediment from Liaohe River Basin and Taihu Lake, China. *Water Research, 103*, 343-351. doi:https://doi.org/10.1016/j.watres.2016.07.059

Jin, S., Yang, F., Xu, Y., Dai, H., Liu, W. (2013). Risk assessment of xenoestrogens in a typical domestic sewage-holding lake in China. *Chemosphere, 93*(6), 892-898. doi:https://doi.org/10.1016/j.chemosphere.2013.05.037

Jin, X.-L., Huang, G.-l., Jiang, G.-B., Zhou, Q.-f., Liu, J.-f. (2004). Simultaneous determination of 4-tert-octylphenol, 4-nonylphenol and bisphenol A in Guanting Reservoir using gas chromatography-mass spectrometry with selected ion monitoring. *Journal of Environmental Sciences, 16*(5), 825-828.

Joseph, L., Boateng, L. K., Flora, J. R., Park, Y.-G., Son, A., Badawy, M., Yoon, Y. (2013). Removal of bisphenol A and 17α-ethinyl estradiol by combined coagulation and adsorption using carbon nanomaterials and powdered activated carbon. *Separation and Purification Technology, 107*, 37-47. doi:https://doi.org/10.1016/j.seppur.2013.01.012

Juela, D. M. (2021). Comments on “dynamic adsorption of sulfamethoxazole from aqueous solution by lignite activated coke”. *Materials, 14*(4), 848. doi:https://doi.org/10.3390/ma14040848

Kakavandi, B., Jonidi, A., Rezaei, R., Nasseri, S., Ameri, A., Esrafily, A. (2013). Synthesis and properties of Fe_3O_4-activated carbon magnetic nanoparticles for removal of aniline from aqueous solution: equilibrium, kinetic and thermodynamic studies. *Iranian Jjournal of Environmental Health Science & Engineering, 10*, 1-9. doi:https://doi.org/10.1186/1735-2746-10-19

Kalmykova, Y., Björklund, K., Strömvall, A.-M., Blom, L. (2013). Partitioning of polycyclic aromatic hydrocarbons, alkylphenols, bisphenol A and phthalates in landfill leachates and stormwater. *Water Research, 47*(3), 1317-1328. doi:https://doi.org/10.1016/j.watres.2012.11.054

Kamaraj, M., Nithya, T., Chidambararajan, P., Kebede, M. (2020). Photocatalytic degradation of Bisphenol-A in water under sunlight irradiation over ZnO nanoparticles fabricated by Ethiopian cactus pear fruit peel infusions. *Optik, 208*, 164539. doi:https://doi.org/10.1016/j.ijleo.2020.164539

Kamaraj, M., Salam, H. A., Sivaraj, R., Venckatesh, R. (2013). Detection of bisphenol-A in various environment samples collected from Tamil Nadu, India by solid-phase extraction and GC analysis. *Advances in Bio Research, 4*(1), 59-64.

Kamran, U., Park, S.-J. (2020). MnO_2-decorated biochar composites of coconut shell and rice husk: An efficient lithium ions adsorption-desorption performance in aqueous media. *Chemosphere, 260*, 127500. doi:https://doi.org/10.1016/j.chemosphere.2020.127500

Kang, J.-H., Aasi, D., Katayama, Y. (2007). Bisphenol A in the aquatic environment and its endocrine-disruptive effects on aquatic organisms. *Critical Reviews in Toxicology, 37*(7), 607-625. doi:https://doi.org/10.1080/10408440701493103

Kang, J.-H., Kondo, F. (2002). Bisphenol A degradation by bacteria isolated from river water. *Archives of Environmental Contamination and Toxicology, 43*(3), 0265-0269. doi:https://doi.org/10.1007/s00244-002-1209-0

Kang, J.-H., Kondo, F. (2002). Effects of bacterial counts and temperature on the biodegradation of bisphenol A in river water. *Chemosphere, 49*(5), 493-498. doi:https://doi.org/10.1016/S0045-6535(02)00315-6

Kang, J., Kondo, F. (2006). Bisphenol A in the surface water and freshwater snail collected from rivers around a secure landfill. *Bulletin of Environmental Contamination and Toxicology, 76*(1), 113-118. doi:https://doi.org/10.1007/s00128-005-0896-4

Kang, S., Do, J. Y., Jo, S. W., Kim, K. M., Jeong, K. M., Park, S. M., Kang, M. (2015). Efficient Removal of Bisphenol A by an Advanced Photocatalytic Oxidation-type

UV/H_2O_2/Fe-loaded TiO_2 System. *Bulletin of the Korean Chemical Society*, *36*(8), 2006-2014. doi:https://doi.org/10.1002/bkcs.10387

Karsauliya, K., Bhateria, M., Sonker, A. K., Yahavi, C., Gautam, S. S., Karsauliya, S., Singh, S. P. (2022). Detection of bisphenols in Indian surface water, tap water, and packaged drinking water using dispersive liquid-liquid microextraction: exposure assessment for health risk. *Environmental Science and Pollution Research*, 1-15. doi:https://doi.org/10.1007/s11356-022-23293-1

Kastner, J. R., Miller, J., Geller, D. P., Locklin, J., Keith, L. H., Johnson, T. (2012). Catalytic esterification of fatty acids using solid acid catalysts generated from biochar and activated carbon. *Catalysis Today*, *190*(1), 122-132. doi:https://doi.org/10.1016/j.cattod.2012.02.006

Kawaguchi, M., Ito, R., Endo, N., Okanouchi, N., Sakui, N., Saito, K., Nakazawa, H. (2006). Liquid phase microextraction with in situ derivatization for measurement of bisphenol A in river water sample by gas chromatography–mass spectrometry. *Journal of Chromatography A*, *1110*(1-2), 1-5. doi:https://doi.org/10.1016/j.chroma.2006.01.061

Kawahata, H., Ohta, H., Inoue, M., Suzuki, A. (2004). Endocrine disrupter nonylphenol and bisphenol A contamination in Okinawa and Ishigaki Islands, Japan––within coral reefs and adjacent river mouths. *Chemosphere*, *55*(11), 1519-1527. doi:https://doi.org/10.1016/j.chemosphere.2004.01.032

Khan, S., Naushad, M., Al-Gheethi, A., Iqbal, J. (2021). Engineered nanoparticles for removal of pollutants from wastewater: Current status and future prospects of nanotechnology for remediation strategies. *Journal of Environmental Chemical Engineering*, *9*(5), 106160. doi:https://doi.org/10.1016/j.jece.2021.106160

Khan, S. A., Arshad, Z., Shahid, S., Arshad, I., Rizwan, K., Sher, M., Fatima, U. (2019). Synthesis of TiO_2/Graphene oxide nanocomposites for their enhanced photocatalytic activity against methylene blue dye and ciprofloxacin. *Composites Part B: Engineering*, *175*, 107120. doi:https://doi.org/10.1016/j.compositesb.2019.107120

Khaokomol, S., Neamchan, R., Panpradit, B., Sohsalam, P., Werner, D., Mrozik, W. (2020). Suitalbility and Cost Effectiveness of Biochars Produced from Different Agricultural Residues with Different Methods for Briquette Making as a Renewable Biofuel. doi: http://dx.doi.org/10.2139/ssrn.3598081

Khatri, N., Tyagi, S. (2015). Influences of natural and anthropogenic factors on surface and groundwater quality in rural and urban areas. *Frontiers in Life Science, 8*(1), 23-39. doi:https://doi.org/10.1080/21553769.2014.933716

Khim, J. S., Kannan, K., Villeneuve, D. L., Koh, C. H., Giesy, J. P. (1999). Characterization and distribution of trace organic contaminants in sediment from Masan Bay, Korea. 1. Instrumental analysis. *Environmental Science & Technology, 33*(23), 4199-4205. doi:https://doi.org/10.1021/es9904484

Khoo, K., Tan, X., Show, P., Pal, P., Juan, J., Ling, T., Ho, S.-H., Nguyen, T. (2020). Treatment for landfill leachate via physicochemical approaches: an overview. *Chemical and Biochemical Engineering Quarterly, 34*(1), 1-24. doi:https://doi.org/10.15255/CABEQ.2019.1703

Khuntia, B. K., Anwar, M. F., Alam, T., Samim, M., Kumari, M., Arora, I. (2019). Synthesis and characterization of zero-valent iron nanoparticles, and the study of their effect against the degradation of DDT in soil and assessment of their toxicity against collembola and ostracods. *ACS omega, 4*(20), 18502-18509. doi:https://doi.org/10.1021/acsomega.9b01898

Kim, M. J., Park, Y. J. (2019). Bisphenols and thyroid hormone. *Endocrinology and Metabolism, 34*(4), 340. doi:https://doi.org/10.3803/EnM.2019.34.4.340

Kitada, Y., Kawahata, H., Suzuki, A., Oomori, T. (2008). Distribution of pesticides and bisphenol A in sediments collected from rivers adjacent to coral reefs. *Chemosphere, 71*(11), 2082-2090. doi:https://doi.org/10.1016/j.chemosphere.2008.01.025

Koliyabandara, P., Cooray, A., Liyanage, S., Siriwardhana, C. (2022). Characterization of landfill leachate at the Karadiyana open dumpsite, Sri Lanka, and assessment of water pollution in its vicinity. *Journal of the National Science Foundation of Sri Lanka, 50*(1). doi:https://doi.org/10.4038/jnsfsr.v50i1.10338

Koliyabandara, S., Cooray, A., Liyanage, S., Siriwardana, C. (2020). Assessment of heavy metal contamination in the sediments of Meda-Ela canal near Karadiyana semi-controlled dumpsite, Sri Lanka. doi:https://doi.org/10.31357/ijms.v7i1.4727

Kolya, H., Kang, C.-W. (2023). A New Approach for Agricultural Water Management Using Pillows Made from COVID-19 Waste Face Masks and Filled with a Hydrogel

Polymer: Preliminary Studies. *Agriculture, 13*(1), 152. doi:https://doi.org/10.3390/agriculture13010152

Komadel, P., Madejová, J. (2013). Acid activation of clay minerals. In *Developments in clay science* (Vol. 5, pp. 385-409): Elsevier.

Krishna, K., Govindaraj, S., Srimurali, S., Joakim, L., Babu, R., Ramaswamy, A. (2014). GC–MS determination of bisphenol A andalkylphenol ethoxylates in river water from India and their ecotoxicological risk assessment. *Ecotoxicology and Environmental Safety, 99*, 13-20. doi:https://doi.org/10.1016/j.ecoenv.2013.09.006

Kumar, R., Parvaze, S., Huda, M. B., Allaie, S. P. (2022). The changing water quality of lakes—a case study of Dal Lake, Kashmir Valley. *Environmental Monitoring and Assessment, 194*(3), 228. doi:https://doi.org/10.1007/s10661-022-09869-x

Kuo, C.-Y. (2009). Comparison with as-grown and microwave modified carbon nanotubes to removal aqueous bisphenol A. *Desalination, 249*(3), 976-982. doi:https://doi.org/10.1016/j.desal.2009.06.058

Kurata, Y., Ono, Y., Ono, Y. (2008). Occurrence of phenols in leachates from municipal solid waste landfill sites in Japan. *Journal of Material Cycles and Waste Management, 10*, 144-152. doi:https://doi.org/10.1007/s10163-008-0200-x

Kuspanov, Z., Baglan, B., Baimenov, A., Issadykov, A., Yeleuov, M., Daulbayev, C. (2023). Photocatalysts for a sustainable future: Innovations in large-scale environmental and energy applications. *Science of the Total Environment*, 163914. doi:https://doi.org/10.1016/j.scitotenv.2023.163914

Kusumaningtyas, R. D., Prasetiawan, H., Astuti, W., Rengga, W. D. P., Muhammad, D. R. A. (2019). Design and construction of microwave-assisted pyrolysis of waste coconut Shell for the isolation of pyroligneous acid. *KnE Social Sciences*, 544–553-544–553. doi:https://doi.org/10.18502/kss.v3i18.4745

Kwan, C. S., Takada, H. (2016). Release of additives and monomers from plastic wastes. In *Takada, H., Karapanagioti, H.K. (eds) Hazardous Chemicals Associated with Plastics in the Marine Environment. The Handbook of Environmental Chemistry* (Vol. 78, pp. 51-70): Springer, Cham.

Lagasi, J., Uloko, J., Shetak, B., Yiltawe, J. (2023). Environmental Impact of Leachate Pollution on Ground Water Quality at Yelwa Kagadama, Bauchi, Bauchi State,

Nigeria. *Journal of Applied Sciences and Environmental Management*, *27*(4), 697-702. doi:https://doi.org/10.4314/jasem.v27i4.8

Lagergren, S. K. (1898). About the theory of so-called adsorption of soluble substances. *Sven. Vetenskapsakad. Handingarl, 24*, 1-39.

Lahnsteiner, F., Berger, B., Kletzl, M., Weismann, T. (2005). Effect of bisphenol A on maturation and quality of semen and eggs in the brown trout, *Salmo trutta f. fario*. *Aquatic Toxicology, 75*(3), 213-224. doi:https://doi.org/10.1016/j.aquatox.2005.08.004

Lai, Y., Tang, Y., Gong, J., Gong, D., Chi, L., Lin, C., Chen, Z. (2012). Transparent superhydrophobic/superhydrophilic TiO_2-based coatings for self-cleaning and anti-fogging. *Journal of Materials Chemistry, 22*(15), 7420-7426. doi:https://doi.org/10.1039/C2JM16298A

Lalwani, D., Ruan, Y., Taniyasu, S., Yamazaki, E., Kumar, N. J., Lam, P. K., Wang, X., Yamashita, N. (2020). Nationwide distribution and potential risk of bisphenol analogues in Indian waters. *Ecotoxicology and Environmental Safety, 200*, 110718. doi:https://doi.org/10.1016/j.ecoenv.2020.110718

Lambré, C., Barat Baviera, J. M., Bolognesi, C., Chesson, A., Cocconcelli, P. S., Crebelli, R., Gott, D. M., Grob, K., Lampi, E. (2023). Re-evaluation of the risks to public health related to the presence of bisphenol A (BPA) in foodstuffs. *EFSA Journal, 21*(4), e06857. doi: https://doi.org/10.2903/j.efsa.2023.6857

Lan, J., Shen, Z., Gao, W., Liu, A. (2019). Occurrence of bisphenol-A and its brominated derivatives in tributary and estuary of Xiaoqing River adjacent to Bohai Sea, China. *Marine Pollution Bulletin, 149*, 110551. doi:https://doi.org/10.1016/j.marpolbul.2019.110551

Langmuir, I. (1918). The adsorption of gases on plane surfaces of glass, mica and platinum. *Journal of the American Chemical society, 40*(9), 1361-1403. doi:https://doi.org/10.1021/ja02242a004

Le, T., Dan, N., Tuc, D., Ngo, H., Lan-Chi, D. (2016). Presence of e-EDCs in surface water and effluents of pollution sources in Sai Gon and Dong Nai river basin. *Sustainable Environment Research, 26*(1), 20-27. doi:https://doi.org/10.1016/j.serj.2015.09.001

Lee, C.-C., Jiang, L.-Y., Kuo, Y.-L., Hsieh, C.-Y., Chen, C. S., Tien, C.-J. (2013). The potential role of water quality parameters on occurrence of nonylphenol and bisphenol A and identification of their discharge sources in the river ecosystems. *Chemosphere, 91*(7), 904-911. doi:https://doi.org/10.1016/j.chemosphere.2013.02.006

Lee, S., Kim, C., Shin, H., Kho, Y., Choi, K. (2019). Comparison of thyroid hormone disruption potentials by bisphenols A, S, F, and Z in embryo-larval zebrafish. *Chemosphere, 221*, 115-123. doi:https://doi.org/10.1016/j.chemosphere.2019.01.019

Lee, S. H., Luvnish, A., Su, X., Meng, Q., Liu, M., Kuan, H.-C., Saman, W., Bostrom, M., Ma, J. (2024). Advancements in polymer (Nano) composites for phase change material-based thermal storage: A focus on thermoplastic matrices and ceramic/carbon fillers. *Smart Materials in Manufacturing, 2*, 100044. doi:https://doi.org/10.1016/j.smmf.2024.100044

Lei, B. L., Luo, J. P., Zha, J. M., Huang, S. B., Liu, C., Wang, Z. (2008). Distribution of nonylphenols and bisphenol-A in the sediments of Wenyuhe River. *Environmental Chemistry, 27*, 314-317.

Li, Q., Zhao, S., Wang, Y. (2021). Mechanism of Oxytetracycline Removal by Coconut Shell Biochar Loaded with Nano-Zero-Valent Iron. *International Journal of Environmental Research and Public Health, 18*(24), 13107. doi:https://doi.org/10.3390/ijerph182413107

Li, S., Chen, G. (2018). Thermogravimetric, thermochemical, and infrared spectral characterization of feedstocks and biochar derived at different pyrolysis temperatures. *Waste Management, 78*, 198-207. doi:https://doi.org/10.1016/j.wasman.2018.05.048

Li, Y., Song, N., Yu, Y., Yang, Z., Shen, Z. (2017). Characteristics of PAHs in street dust of Beijing and the annual wash-off load using an improved load calculation method. *Science of the Total Environment, 581*, 328-336. doi:https://doi.org/10.1016/j.scitotenv.2016.12.133

Li, Z., Gibson, M., Liu, C., Hu, H. (2013). Seasonal variation of nonylphenol concentrations and fluxes with influence of flooding in the Daliao River Estuary, China. *Environmental Monitoring and Assessment, 185*(6), 5221-5230. doi:https://doi.org/10.1007/s10661-012-2938-9

Liang, J., Li, Y., Xie, P., Liu, C., Yu, L., Ma, X. (2022). Dualistic effects of bisphenol A on growth, photosynthetic and oxidative stress of duckweed (*Lemna minor*). *Environmental Science and Pollution Research, 29*(58), 87717-87729. doi:https://doi.org/10.1007/s11356-022-21785-8

Liang, L., Xi, F., Tan, W., Meng, X., Hu, B., Wang, X. (2021). Review of organic and inorganic pollutants removal by biochar and biochar-based composites. *Biochar, 3*, 255-281. doi:https://doi.org/10.1007/s42773-021-00101-6

Liang, X., Xie, R., He, Y., Li, W., Du, B., Zeng, L. (2023). Broadening the lens on bisphenols in coastal waters: Occurrence, partitioning, and input fluxes of multiple novel bisphenol S derivatives along with BPA and BPA analogues in the Pearl River Delta, China. *Environmental Pollution, 322*, 121194. doi:https://doi.org/10.1016/j.envpol.2023.121194

Lim, A. P., Aris, A. Z. (2014). Continuous fixed-bed column study and adsorption modeling: Removal of cadmium (II) and lead (II) ions in aqueous solution by dead calcareous skeletons. *Biochemical Engineering Journal, 87*, 50-61. doi:https://doi.org/10.1016/j.bej.2014.03.019

Lin, P. (2001). Study on the estrogenic active substances in the environment. *Study report (EPA-90-E3S5-02-01) submitted to the Taiwan Environmental Protection Administration, Taipei, Taiwan.*

Lindamulla, L., Nanayakkara, N., Othman, M., Jinadasa, S., Herath, G., Jegatheesan, V. (2022). Municipal Solid Waste Landfill Leachate Characteristics and Their Treatment Options in Tropical Countries. *Current Pollution Reports*, 1-15. doi:https://doi.org/10.1007/s40726-022-00222-x

Lindamulla, L., Nanayakkara, N., Othman, M., Jinadasa, S., Herath, G., Jegatheesan, V. (2022). Municipal solid waste landfill leachate characteristics and their treatment options in tropical countries. *Current Pollution Reports, 8*(3), 273-287. doi:https://doi.org/10.1007/s40726-022-00222-x

Liu, D., Liu, J., Guo, M., Xu, H., Zhang, S., Shi, L., Yao, C. (2016). Occurrence, distribution, and risk assessment of alkylphenols, bisphenol A, and tetrabromobisphenol A in surface water, suspended particulate matter, and sediment in Taihu Lake and its tributaries. *Marine pollution bulletin, 112*(1-2), 142-150. doi:https://doi.org/10.1016/j.marpolbul.2016.08.026

Liu, D., Wu, S., Xu, H., Zhang, Q., Zhang, S., Shi, L., Yao, C., Liu, Y., Cheng, J. (2017). Distribution and bioaccumulation of endocrine disrupting chemicals in water, sediment and fishes in a shallow Chinese freshwater lake: Implications for ecological and human health risks. *Ecotoxicology and Environmental Safety*, *140*, 222-229. doi:https://doi.org/10.1016/j.ecoenv.2017.02.045

Liu, J., Shen, J., Lu, G., Xu, X., Yang, H., Yan, Z., Chen, W. (2020). Multilevel ecotoxicity assessment of environmentally relevant bisphenol F concentrations in Daphnia magna. *Chemosphere*, *240*, 124917. doi:https://doi.org/10.1016/j.chemosphere.2019.124917

Liu, J., Zhang, L., Lu, G., Jiang, R., Yan, Z., Li, Y. (2021). Occurrence, toxicity and ecological risk of Bisphenol A analogues in aquatic environment–A review. *Ecotoxicology and Environmental Safety*, *208*, 111481. doi:https://doi.org/10.1016/j.ecoenv.2020.111481

Liu, Q., Yao, C., Liu, J., Wang, S., Shao, B., Yao, K. (2021). An efficient method to enrich, detect and remove bisphenol A based on Fe_3O_4@MIL-100(Fe). *Microchemical Journal*, *165*, 106168. doi:https://doi.org/10.1016/j.microc.2021.106168

Liu, Y.-H., Zhang, S.-H., Ji, G.-X., Wu, S.-M., Guo, R.-X., Cheng, J., Yan, Z.-Y., Chen, J.-Q. (2017). Occurrence, distribution and risk assessment of suspected endocrine-disrupting chemicals in surface water and suspended particulate matter of Yangtze River (Nanjing section). *Ecotoxicology and Environmental Safety*, *135*, 90-97. doi:https://doi.org/10.1016/j.ecoenv.2016.09.035

Liu, Y., Su, W., Zhu, Y., Xiao, L., Hu, T. (2020). Endocrine disrupting compounds in the middle and lower reaches of the Lhasa River Basin: Occurrence, distribution, and risk assessment. *Science of the Total Environment*, *727*, 138694. doi:https://doi.org/10.1016/j.scitotenv.2020.138694

Liu, Y., Zhang, S., Song, N., Guo, R., Chen, M., Mai, D., Yan, Z., Han, Z., Chen, J. (2017). Occurrence, distribution and sources of bisphenol analogues in a shallow Chinese freshwater lake (Taihu Lake): Implications for ecological and human health risk. *Science of the Total Environment*, *599*, 1090-1098. doi:https://doi.org/10.1016/j.scitotenv.2017.05.069

Liu, Z., Wardenier, N., Hosseinzadeh, S., Verheust, Y., De Buyck, P.-J., Chys, M., Nikiforov, A., Leys, C., Van Hulle, S. (2018). Degradation of bisphenol A by

combining ozone with UV and H_2O_2 in aqueous solutions: mechanism and optimization. *Clean Technologies and Environmental Policy, 20*, 2109-2118. doi:https://doi.org/10.1007/s10098-018-1595-2

Lo, H. S., Po, B. H. K., Li, L., Wong, A. Y. M., Kong, R. Y. C., Li, L., Tse, W. K. F., Wong, C. K. C., Cheung, S. G., Lai, K. P. (2021). Bisphenol A and its analogues in sedimentary microplastics of Hong Kong. *Marine Pollution Bulletin, 164*, 112090. doi:https://doi.org/10.1016/j.marpolbul.2021.112090

López-Velázquez, K., Guzmán-Mar, J. L., Saldarriaga-Noreña, H. A., Murillo-Tovar, M. A., Hinojosa-Reyes, L., Villanueva-Rodríguez, M. (2021). Occurrence and seasonal distribution of five selected endocrine-disrupting compounds in wastewater treatment plants of the Metropolitan Area of Monterrey, Mexico: the role of water quality parameters. *Environmental Pollution, 269*, 116223. doi:https://doi.org/10.1016/j.envpol.2020.116223

Lourenço, N., Franca, R., Moreira, M., Gil, F., Viegas, C., Pinheiro, H. (2015). Comparing aerobic granular sludge and flocculent sequencing batch reactor technologies for textile wastewater treatment. *Biochemical Engineering Journal, 104*, 57-63. doi:https://doi.org/10.1016/j.bej.2015.04.025

Lu, F., Astruc, D. (2018). Nanomaterials for removal of toxic elements from water. *Coordination Chemistry Reviews, 356*, 147-164. doi:https://doi.org/10.1016/j.ccr.2017.11.003

Lu, J., Wu, J., Stoffella, P. J., Wilson, P. C. (2013). Analysis of bisphenol A, nonylphenol, and natural estrogens in vegetables and fruits using gas chromatography–tandem mass spectrometry. *Journal of Agricultural and Food Chemistry, 61*(1), 84-89. doi:https://doi.org/10.1021/jf304971k

Lu, Z., Letcher, R. J., Chu, S., Ciborowski, J. J., Haffner, G. D., Drouillard, K. G., MacLeod, S. L., Marvin, C. H. (2015). Spatial distributions of polychlorinated biphenyls, polybrominated diphenyl ethers, tetrabromobisphenol A and bisphenol A in Lake Erie sediment. *Journal of Great Lakes Research, 41*(3), 808-817. doi:https://doi.org/10.1016/j.jglr.2015.04.007

Luo, Z., Tu, Y., Li, H., Qiu, B., Liu, Y., Yang, Z. (2019). Endocrine-disrupting compounds in the Xiangjiang River of China: spatio-temporal distribution, source

apportionment, and risk assessment. *Ecotoxicology and Environmental Safety, 167*, 476-484. doi:https://doi.org/10.1016/j.ecoenv.2018.10.053

Lupiáñez, C., Mayoral, M. C., Díez, L. I., Pueyo, E., Espatolero, S., Andrés, J. M. (2017). On the oxy-combustion of lignite and corn stover in a lab-scale fluidized bed reactor. *Biomass and Bioenergy, 96*, 152-161. doi:https://doi.org/10.1016/j.biombioe.2016.11.013

Ma, H., Pu, S., Liu, S., Bai, Y., Mandal, S., Xing, B. (2020). Microplastics in aquatic environments: Toxicity to trigger ecological consequences. *Environmental Pollution, 261*, 114089. doi:https://doi.org/10.1016/j.envpol.2020.114089

Ma, Y., Liu, H., Wu, J., Yuan, L., Wang, Y., Du, X., Wang, R., Marwa, P. W., Petlulu, P., Chen, X. (2019). The adverse health effects of bisphenol A and related toxicity mechanisms. *Environmental Research, 176*, 108575. doi:https://doi.org/10.1016/j.envres.2019.108575

Maćczak, A., Cyrkler, M., Bukowska, B., Michałowicz, J. (2017). Bisphenol A, bisphenol S, bisphenol F and bisphenol AF induce different oxidative stress and damage in human red blood cells (in vitro study). *Toxicology in vitro, 41*, 143-149. doi:https://doi.org/10.1016/j.tiv.2017.02.018

Maia, C., Madari, B. E., Novotny, E. H. (2011). Advances in biochar research in Brazil. *Dynamic soil, Dynamic plant, 5*(1), 53-58.

Malinović, B. N., Markelj, J., Prosen, H., Žgajnar Gotvajn, A., Kralj Cigić, I. (2021). Electrochemical treatments for the removal of emerging contaminants. In *Emerging Contaminants Vol. 2: Remediation* (pp. 107-206): Springer.

Mamman, S., Suah, F., Raaov, M., Mehamod, F., Asman, S., Zain, N. (2021). Removal of bisphenol A from aqueous media using a highly selective adsorbent of hybridization cyclodextrin with magnetic molecularly imprinted polymer. *Royal Society open Science, 8*(3), 201604. doi:https://doi.org/10.1098/rsos.201604

Manawi, Y., Kochkodan, V., Hussein, M. A., Khaleel, M. A., Khraisheh, M., Hilal, N. (2016). Can carbon-based nanomaterials revolutionize membrane fabrication for water treatment and desalination? *Desalination, 391*, 69-88. doi:https://doi.org/10.1016/j.desal.2016.02.015

Manzoor, M. F., Tariq, T., Fatima, B., Sahar, A., Tariq, F., Munir, S., Khan, S., Nawaz Ranjha, M. M. A., Sameen, A., Zeng, X.-A. (2022). An insight into bisphenol A, food exposure and its adverse effects on health: A review. *Frontiers in Nutrition, 9*, 1047827. doi:https://doi.org/10.3389/fnut.2022.1047827

Marin-Batista, J., Mohedano, A., Rodríguez, J., De La Rubia, M. (2020). Energy and phosphorous recovery through hydrothermal carbonization of digested sewage sludge. *Waste Management, 105*, 566-574. doi:https://doi.org/10.1016/j.wasman.2020.03.004

Marrane, S. E., Dânoun, K., Essamlali, Y., Aboulhrouz, S., Sair, S., Amadine, O., Jioui, I., Rhihil, A., Zahouily, M. (2023). Fixed-bed adsorption of Pb(II) and Cu(II) from multi-metal aqueous systems onto cellulose-g-hydroxyapatite granules: optimization using response surface methodology. *RSC Advances, 13*(45), 31935-31947. doi:https://doi.org/10.1039/D3RA04974D

Martín-Lara, M., Calero, M., Ronda, A., Iáñez-Rodríguez, I., Escudero, C. (2020). Adsorptive behavior of an activated carbon for bisphenol A removal in single and binary (bisphenol A—heavy metal) solutions. *Water, 12*(8), 2150. doi:https://doi.org/10.3390/w12082150

Martínez, R., Navarro-Martín, L., van Antro, M., Fuertes, I., Casado, M., Barata, C., Piña, B. (2020). Changes in lipid profiles induced by bisphenol A (BPA) in zebrafish eleutheroembryos during the yolk sac absorption stage. *Chemosphere, 246*, 125704. doi:https://doi.org/10.1016/j.chemosphere.2019.125704

Masoner, J. R., Kolpin, D. W., Furlong, E. T., Cozzarelli, I. M., Gray, J. L., Schwab, E. A. (2014). Contaminants of emerging concern in fresh leachate from landfills in the conterminous United States. *Environmental Science: Processes & Impacts, 16*(10), 2335-2354. doi:https://doi.org/10.1039/C4EM00124A

Mauter, M. S., Zucker, I., Perreault, F., Werber, J. R., Kim, J.-H., Elimelech, M. (2018). The role of nanotechnology in tackling global water challenges. *Nature Sustainability, 1*(4), 166-175. doi:https://doi.org/10.1038/s41893-018-0046-8

Mekonnen, D. T., Alemayehu, E., Lennartz, B. (2021). Fixed-bed column technique for the removal of phosphate from water using leftover coal. *Materials, 14*(19), 5466. doi:https://doi.org/10.3390/ma14195466

Meroufel, B., Benali, O., Benyahia, M., Benmoussa, Y., Zenasni, M. (2013). Adsorptive removal of anionic dye from aqueous solutions by Algerian kaolin: Characteristics, isotherm, kinetic and thermodynamic studies. *Journal of Materials and Environmental Sciences, 4*(3), 482-491.

Meslin, M., Beausoleil, C., Zeman, F. A., Antignac, J.-P., Kolossa-Gehring, M., Rousselle, C., Apel, P. (2022). Human biomonitoring guidance values (HBM-GVs) for bisphenol S and assessment of the risk due to the exposure to bisphenols A and S, in Europe. *Toxics, 10*(5), 228. doi: https://doi.org/10.3390/toxics10050228

Metz, C. M. (2016). Bisphenol A: Understanding the controversy. *Workplace Health & Safety, 64*(1), 28-36. doi:https://doi.org/10.1177/2165079915623790

Michałowicz, J. (2014). Bisphenol A–sources, toxicity and biotransformation. *Environmental Toxicology and Pharmacology, 37*(2), 738-758. doi:https://doi.org/10.1016/j.etap.2014.02.003

Mirzaee, S. A., Jaafarzadeh, N., Jorfi, S., Gomes, H. T., Ahmadi, M. (2018). Enhanced degradation of Bisphenol A from high saline polycarbonate plant wastewater using wet air oxidation. *Process Safety and Environmental Protection, 120*, 321-330. doi:https://doi.org/10.1016/j.psep.2018.09.021

Mishra, A., Goel, D., Shankar, S. (2023). Bisphenol A contamination in aquatic environments: a review of sources, environmental concerns, and microbial remediation. *Environmental Monitoring and Assessment, 195*(11), 1352. doi:https://doi.org/10.1007/s10661-023-11977-1

Mishra, N. S., Kuila, A., Nawaz, A., Pichiah, S., Leong, K. H., Jang, M. (2018). Engineered Carbon Nanotubes: Review on the Role of Surface Chemistry, Mechanistic Features, and Toxicology in the Adsorptive Removal of Aquatic Pollutants. *ChemistrySelect, 3*(4), 1040-1055. doi: https://doi.org/10.1002/slct.201702951

Mitchell, S., Qin, R., Zheng, N., Pérez-Ramírez, J. (2021). Nanoscale engineering of catalytic materials for sustainable technologies. *Nature nanotechnology, 16*(2), 129-139. doi:https://doi.org/10.1038/s41565-020-00799-8

Mohammad-Pajooh, E., Turcios, A. E., Cuff, G., Weichgrebe, D., Rosenwinkel, K.-H., Vedenyapina, M., Sharifullina, L. (2018). Removal of inert COD and trace metals

from stabilized landfill leachate by granular activated carbon (GAC) adsorption. *Journal of Environmental Management, 228*, 189-196. doi:https://doi.org/10.1016/j.jenvman.2018.09.020

Moreman, J., Lee, O., Trznadel, M., David, A., Kudoh, T., Tyler, C. R. (2017). Acute toxicity, teratogenic, and estrogenic effects of bisphenol A and its alternative replacements bisphenol S, bisphenol F, and bisphenol AF in zebrafish embryo-larvae. *Environmental Science & Technology, 51*(21), 12796-12805. doi:https://doi.org/10.1021/acs.est.7b03283

Moreno-Gómez-Toledano, R., Arenas, M. I., Vélez-Vélez, E., Coll, E., Quiroga, B., Bover, J., Bosch, R. J. (2021). Bisphenol a Exposure and Kidney Diseases: Systematic Review, Meta-Analysis, and NHANES 03–16 Study. *Biomolecules, 11*(7), 1046. doi:https://doi.org/10.3390/biom11071046

Morin, N., Arp, H. P. H., Hale, S. E. (2015). Bisphenol A in solid waste materials, leachate water, and air particles from Norwegian waste-handling facilities: presence and partitioning behavior. *Environmental Science & Technology, 49*(13), 7675-7683. doi:https://doi.org/10.1021/acs.est.5b01307

Mpatani, F. M., Han, R., Aryee, A. A., Kani, A. N., Li, Z., Qu, L. (2021). Adsorption performance of modified agricultural waste materials for removal of emerging micro-contaminant bisphenol A: a comprehensive review. *Science of the Total Environment, 780*, 146629. doi:https://doi.org/10.1016/j.scitotenv.2021.146629

Mujtaba, G., Hayat, R., Hussain, Q., Ahmed, M. (2021). Physio-chemical characterization of biochar, compost and co-composted biochar derived from green waste. *Sustainability, 13*(9), 4628. doi:https://doi.org/10.3390/su13094628

Mukhopadhyay, M., Sampath, S., Muñoz-Arnanz, J., Jiménez, B., Chakraborty, P. (2020). Plasticizers and bisphenol A in Adyar and Cooum riverine sediments, India: occurrences, sources and risk assessment. *Environmental Geochemistry and Health, 42*(9), 2789-2802. doi:https://doi.org/10.1007/s10653-020-00516-3

Mutseyekwa, M. E., Doğan, Ş., Pirgalıoğlu, S. (2017). Ozonation for the removal of bisphenol A. *Water Science and Technology, 76*(10), 2764-2775. doi:https://doi.org/10.2166/wst.2017.446

Naaz, F., Farooq, U., Khan, M. M., Ahmad, T. (2020). Multifunctional efficacy of environmentally benign silver nanospheres for organic transformation, photocatalysis, and water remediation. *ACS omega, 5*(40), 26063-26076. doi:https://doi.org/10.1021/acsomega.0c03584

Nair, S. G., Lipton, A., De los Ríos-Escalante, P., Ibáñez-Arancibia, E. (2021). Isolation and characterization of bacterial pathogens, *Pseudomonas aeruginosa* and *Enterobacter cloacae* from the moribund fish, *Etroplus maculatus*. *Journal of Materials and Environmental Sciences, 12*, 1332-1349.

Naomi, R., Yazid, M. D., Bahari, H., Keong, Y. Y., Rajandram, R., Embong, H., Teoh, S. H., Halim, S., Othman, F. (2022). Bisphenol A (BPA) leading to obesity and cardiovascular complications: a compilation of current in vivo study. *International Journal of Molecular Sciences, 23*(6), 2969. doi:https://doi.org/10.3390/ijms23062969

Narevski, A. C., Novaković, M. I., Petrović, M. Z., Mihajlović, I. J., Maoduš, N. B., Vujić, G. V. (2021). Occurrence of bisphenol A and microplastics in landfill leachate: lessons from South East Europe. *Environmental Science and Pollution Research, 28*, 42196-42203. doi:https://doi.org/10.1007/s11356-021-13705-z

Nasello, S., Beiguel, É., Fitó-Friedrichs, G., Irala, C., Berenstein, G., Basack, S., Montserrat, J. M. (2022). Thermal paper as a potential source of bisphenol A for humans and the environment: migration and ecotoxicological impact. *Environmental Science and Pollution Research, 29*(35), 53382-53394. doi:https://doi.org/10.1007/s11356-022-19561-9

Nasrollahzadeh, M., Sajjadi, M., Iravani, S., Varma, R. S. (2021). Green-synthesized nanocatalysts and nanomaterials for water treatment: Current challenges and future perspectives. *Journal of Hazardous Materials, 401*, 123401. doi:https://doi.org/10.1016/j.jhazmat.2020.123401

Nath, A., Biswas, S., Pal, A. (2022). A comprehensive review on BPA degradation by heterogeneous Fenton-like processes. *Water Science & Technology, 86*(4), 714-745. doi:https://doi.org/10.2166/wst.2022.219

Naveenkumar, M., Senthilkumar, K. (2021). Microbial fuel cell for harvesting bio-energy from tannery effluent using metal mixed biochar electrodes. *Biomass and Bioenergy, 149*, 106082. doi:https://doi.org/10.1016/j.biombioe.2021.106082

Nawaz, T., Rahman, A., Pan, S., Dixon, K., Petri, B., Selvaratnam, T. (2020). A review of landfill leachate treatment by microalgae: Current status and future directions. *Processes, 8*(4), 384. doi:https://doi.org/10.3390/pr8040384

Ndaw, S., Remy, A., Denis, F., Marsan, P., Jargot, D., Robert, A. (2018). Occupational exposure of cashiers to bisphenol S via thermal paper. *Toxicology Letters, 298,* 106-111. doi:https://doi.org/10.1016/j.toxlet.2018.05.026

Negri, V., Pacheco-Torres, J., Calle, D., López-Larrubia, P. (2020). Carbon nanotubes in biomedicine. *Surface-modified Nanobiomaterials for Electrochemical and Biomedicine Applications,* 177-217. doi:https://doi.org/10.1007/978-3-030-55502-3_6

Nguyen, T., Ngo, H., Guo, W., Pham, T., Li, F., Nguyen, T., Bui, X. (2015). Adsorption of phosphate from aqueous solutions and sewage using zirconium loaded okara (ZLO): fixed-bed column study. *Science of the Total Environment, 523*, 40-49. doi:https://doi.org/10.1016/j.scitotenv.2015.03.126

Nguyen, T. H., Pham, T. H., Nguyen Thi, H. T., Nguyen, T. N., Nguyen, M.-V., Tran Dinh, T., Nguyen, M. P., Do, T. Q., Phuong, T., Hoang, T. T., Mai Hung, T. T., Thi, V. H. T. (2019). Synthesis of Iron-Modified Biochar Derived from Rice Straw and Its Application to Arsenic Removal. *Journal of Chemistry, 2019,* 5295610. doi:https://doi.org/10.1155/2019/5295610

Nika, M., Ntaiou, K., Elytis, K., Thomaidi, V., Gatidou, G., Kalantzi, O., Thomaidis, N., Stasinakis, A. (2020). Wide-scope target analysis of emerging contaminants in landfill leachates and risk assessment using Risk Quotient methodology. *Journal of Hazardous Materials, 394,* 122493. doi:https://doi.org/10.1016/j.jhazmat.2020.122493

Nikfar, E., Dehghani, M., Mahvi, A., Rastkari, N., Asif, M., Tyagi, I., Agarwal, S., Gupta, V. K. (2016). Removal of Bisphenol A from aqueous solutions using ultrasonic waves and hydrogen peroxide. *Journal of Molecular Liquids, 213,* 332-338. doi:https://doi.org/10.1016/j.molliq.2015.08.053

Norizan, M. N., Moklis, M. H., Demon, S. Z. N., Halim, N. A., Samsuri, A., Mohamad, I. S., Knight, V. F., Abdullah, N. (2020). Carbon nanotubes: Functionalisation and their application in chemical sensors. *RSC Advances, 10*(71), 43704-43732. doi:https://doi.org/10.1039/D0RA09438B

Nostro, F. L. L., da Costa, D. F., Nóbrega, R., Da Cuña, R. (2023). EDCs: Focus on male fish reproductive alterations. In *Environmental Contaminants and Endocrine Health* (pp. 269-281): Elsevier.

Ojha, A. (2020). Nanomaterials for removal of waterborne pathogens: Opportunities and challenges. *Waterborne Pathogens*, 385-432. doi:https://doi.org/10.1016/B978-0-12-818783-8.00019-0

Oketola, A. A., Fagbemigun, T. K. (2013). Determination of nonylphenol, octylphenol and bisphenol-A in water and sediments of two major rivers in Lagos, Nigeria. *Journal of Environmental Protection, 2013*. doi:https://doi.org/10.4236/jep.2013.47A005

Omitola, O. B., Abonyi, M. N., Akpomie, K. G., Dawodu, F. A. (2022). Adams-Bohart, Yoon-Nelson, and Thomas modeling of the fix-bed continuous column adsorption of amoxicillin onto silver nanoparticle-maize leaf composite. *Applied Water Science, 12*(5), 94. doi:https://doi.org/10.1007/s13201-022-01624-4

Onghena, M., Negreira, N., Van Hoeck, E., Quirynen, L., Van Loco, J., Covaci, A. (2016). Quantitative determination of migrating compounds from plastic baby bottles by validated GC-QqQ-MS and LC-QqQ-MS methods. *Food Analytical Methods, 9*, 2600-2612. doi:https://doi.org/10.1007/s12161-016-0451-4

Oosterlaken-Buijs, G. (2018). *Results of Proficiency Test Total Bisphenol A in Polymers May 2018*. Retrieved from https://www.iisnl.com/pdf/iis18P04.pdf

Orimolade, B., Adekola, F., Adebayo, G. (2018). Adsorptive removal of bisphenol A using synthesized magnetite nanoparticles. *Applied Water Science, 8*(1), 46. doi:https://doi.org/10.1007/s13201-018-0685-y

Orton, F., Tyler, C. R. (2015). Do hormone-modulating chemicals impact on reproduction and development of wild amphibians? *Biological Reviews, 90*(4), 1100-1117. doi:https://doi.org/10.1111/brv.12147

Osman, A. G., AbouelFadl, K. Y., Abd El Baset, M., Mahmoud, U. M., Kloas, W., Moustafa, M. A. (2018). Blood biomarkers in Nile tilapia *Oreochromis niloticus niloticus* and African catfish *Clarias gariepinus* to evaluate water quality of the river Nile. *Journal of FisheriesSciences. com, 12*(1), 1-15.

Osman, A. G. M. (2012). Biomarkers in Nile tilapia *Oreochromis niloticus niloticus* (Linnaeus, 1758) to assess the impacts of river Nile pollution: bioaccumulation,

biochemical and tissues biomarkers. *Journal of Environmental Protection, 3*, 966-977. doi:https://doi.org/10.4236/jep.2012.328112

Page, M. A., Dong, S., Massalha, N., MacAllister, B., Hur, A. Y., Bandstra, P., Wagner, E. D., Plewa, M. J. (2020). Composite toxicity assays for enhanced assessment of decentralized potable reuse systems. *Environmental Science: Water Research & Technology, 6*(12), 3306-3315. doi:https://doi.org/10.1039/D0EW00437E

Pandis, P. K., Kalogirou, C., Kanellou, E., Vaitsis, C., Savvidou, M. G., Sourkouni, G., Zorpas, A. A., Argirusis, C. (2022). Key points of advanced oxidation processes (AOPs) for wastewater, organic pollutants and pharmaceutical waste treatment: A mini review. *ChemEngineering, 6*(1), 8. doi:https://doi.org/10.3390/chemengineering6010008

Paranavithana, G., Kawamoto, K., Inoue, Y., Saito, T., Vithanage, M., Kalpage, C., Herath, G. (2016). Adsorption of Cd^{2+} and Pb^{2+} onto coconut shell biochar and biochar-mixed soil. *Environmental Earth Sciences, 75*, 1-12. doi:https://doi.org/10.1007/s12665-015-5167-z

Park, H.-S., Koduru, J. R., Choo, K.-H., Lee, B. (2015). Activated carbons impregnated with iron oxide nanoparticles for enhanced removal of bisphenol A and natural organic matter. *Journal of Hazardous Materials, 286*, 315-324. doi:https://doi.org/10.1016/j.jhazmat.2014.11.012

Parvin, F., Tareq, S. M. (2021). Impact of landfill leachate contamination on surface and groundwater of Bangladesh: a systematic review and possible public health risks assessment. *Applied Water Science, 11*(6), 100. doi:https://doi.org/10.1007/s13201-021-01431-3

Parvulescu, V. I., Epron, F., Garcia, H., Granger, P. (2021). Recent progress and prospects in catalytic water treatment. *Chemical Reviews, 122*(3), 2981-3121. doi:https://doi.org/10.1021/acs.chemrev.1c00527

Patel, H. (2019). Fixed-bed column adsorption study: a comprehensive review. *Applied Water Science, 9*(3), 45.

Patel, H. (2022). Comparison of batch and fixed bed column adsorption: a critical review. *International Journal of Environmental Science and Technology, 19*(10), 10409-10426. doi:https://doi.org/10.1007/s13762-021-03492-y

Patel, J. K., Patel, A., Bhatia, D. (2021). Introduction to nanomaterials and nanotechnology. In *In: Patel, J.K., Pathak, Y.V. (eds) Emerging Technologies for Nanoparticle Manufacturing* (pp. 3-23): Springer, Cham.

Pathiratne, A., Chandrasekera, L., Pathiratne, K. (2009). Use of biomarkers in Nile tilapia (*Oreochromis niloticus*) to assess the impacts of pollution in Bolgoda Lake, an urban water body in Sri Lanka. *Environmental Monitoring and Assessment, 156*(1), 361-375.

Patisaul, H. B. (2021). Endocrine disrupting chemicals (EDCs) and the neuroendocrine system: Beyond estrogen, androgen, and thyroid. *Advances in Pharmacology, 92*, 101-150. doi:https://doi.org/10.1016/bs.apha.2021.03.007

Paxéus, N. (2000). Organic compounds in municipal landfill leachates. *Water Science and Technology, 42*(7-8), 323-333. doi:https://doi.org/10.2166/wst.2000.0585

Pedro-Cedillo, L. S., Méndez-Novelo, R. I., Hernández-Núñez, E., Giácoman-Vallejos, G., Bassam, A. (2019). Removal of BPA from landfill leachates using fenton-adsorption process. *Química Nova, 42*, 418-424. doi:https://doi.org/10.21577/0100-4042.20170354

Pelch, K. E., Li, Y., Perera, L., Thayer, K. A., Korach, K. S. (2019). Characterization of estrogenic and androgenic activities for bisphenol A-like chemicals (BPs): in vitro estrogen and androgen receptors transcriptional activation, gene regulation, and binding profiles. *Toxicological Sciences, 172*(1), 23-37. doi:https://doi.org/10.1093/toxsci/kfz173

Peng, X., Wang, Z., Yang, C., Chen, F., Mai, B. (2006). Simultaneous determination of endocrine-disrupting phenols and steroid estrogens in sediment by gas chromatography–mass spectrometry. *Journal of Chromatography A, 1116*(1-2), 51-56. doi:https://doi.org/10.1016/j.chroma.2006.03.017

Peris, C. (2020). Exploring the role of biochar as a soil amendment. *Chemistry in Sri Lanka, 37*.

Pham, T. A. T., Tran, V. A., Le, V. D., Nguyen, M. V., Truong, D. D., Do, X. T., Vu, A.-T. (2020). Facile preparation of ZnO nanoparticles and Ag/ZnO nanocomposite and their photocatalytic activities under visible light. *International Journal of Photoenergy, 2020*. doi:https://doi.org/10.1155/2020/8897667

Phatthanakittiphong, T., Seo, G. T. (2016). Characteristic evaluation of graphene oxide for bisphenol a adsorption in aqueous solution. *Nanomaterials, 6*(7), 128. doi:https://doi.org/10.3390/nano6070128

Phuong, D. T. M., Loc, N. X. (2022). Rice straw biochar and magnetic rice straw biochar for safranin O adsorption from aqueous solution. *Water, 14*(2), 186. doi:https://doi.org/10.3390/nano6070128

Phwe, N. P., Chidthaisong, A. (2019). Effects of different types, application rates and sizes of biochars on water and nutrient retention in clay and sandy loam soils. *Journal of Sustainable Energy & Environment, 10*, 115-122.

Pivonello, C., Muscogiuri, G., Nardone, A., Garifalos, F., Provvisiero, D. P., Verde, N., De Angelis, C., Conforti, A., Piscopo, M., Auriemma, R. S. (2020). Bisphenol A: an emerging threat to female fertility. *Reproductive Biology and Endocrinology, 18*, 1-33. doi:https://doi.org/10.1186/s12958-019-0558-8

Pojana, G., Gomiero, A., Jonkers, N., Marcomini, A. (2007). Natural and synthetic endocrine disrupting compounds (EDCs) in water, sediment and biota of a coastal lagoon. *Environment International, 33*(7), 929-936. doi:https://doi.org/10.1016/j.envint.2007.05.003

Ponzi, D., Gioiosa, L., Parmigiani, S., Palanza, P. (2020). Effects of prenatal exposure to a low-dose of bisphenol A on sex differences in emotional behavior and central alpha$_2$-adrenergic receptor binding. *International Journal of Molecular Sciences, 21*(9), 3269. doi:https://doi.org/10.3390/ijms21093269

Pop, C.-E., Draga, S., Măciucă, R., Niță, R., Crăciun, N., Wolff, R. (2021). Bisphenol A effects in aqueous environment on Lemna minor. *Processes, 9*(9), 1512. doi:https://doi.org/10.3390/pr9091512

Presunto, M., Mariana, M., Lorigo, M., Cairrao, E. (2023). The Effects of Bisphenol A on Human Male Infertility: A Review of Current Epidemiological Studies. *International Journal of Molecular Sciences, 24*(15), 12417. doi:https://doi.org/10.3390/ijms241512417

Puri, N., Gupta, A., Mishra, A. (2021). Recent advances on nano-adsorbents and nanomembranes for the remediation of water. *Journal of Cleaner Production, 322*, 129051. doi:https://doi.org/10.1016/j.jclepro.2021.129051

Purnaini, R., Purwono, S. (2018). *Tidal influence on water quality of Kapuas Kecil river downstream.* Paper presented at the E3S Web of Conferences.

Qian, S., Ji, H., Wu, X., Li, N., Yang, Y., Bu, J., Zhang, X., Qiao, L., Yu, H., Xu, N. (2018). Detection and quantification analysis of chemical migrants in plastic food contact products. *PloS one, 13*(12), e0208467. doi:https://doi.org/10.1371/journal.pone.0208467

Qian, Y., Jia, X., Ding, T., Yang, M., Yang, B., Li, J. (2021). Occurrence and removal of bisphenol analogues in wastewater treatment plants and activated sludge bioreactor. *Science of the Total Environment, 758*, 143606. doi:https://doi.org/10.1016/j.scitotenv.2020.143606

Ra, J.-S., Lee, S.-H., Lee, J., Kim, H. Y., Lim, B. J., Kim, S. H., Kim, S. D. (2011). Occurrence of estrogenic chemicals in South Korean surface waters and municipal wastewaters. *Journal of Environmental Monitoring, 13*(1), 101-109. doi:https://doi.org/10.1039/C0EM00204F

Rabouille, C., Conley, D., Dai, M., Cai, W.-J., Chen, C., Lansard, B., Green, R., Yin, K., Harrison, P., Dagg, M. (2008). Comparison of hypoxia among four river-dominated ocean margins: The Changjiang (Yangtze), Mississippi, Pearl, and Rhône rivers. *Continental Shelf Research, 28*(12), 1527-1537. doi:https://doi.org/10.1016/j.csr.2008.01.020

Rahman, M. M., Sultan, M. B., Alam, M. (2022). Microplastics and Adsorbed Micropollutants as Emerging Contaminants in Landfill-A Mini-Review. *Current Opinion in Environmental Science & Health*, 100420. doi:https://doi.org/10.1016/j.coesh.2022.100420

Rancière, F., Lyons, J. G., Loh, V. H., Botton, J., Galloway, T., Wang, T., Shaw, J. E., Magliano, D. J. (2015). Bisphenol A and the risk of cardiometabolic disorders: a systematic review with meta-analysis of the epidemiological evidence. *Environmental Health, 14*(1), 1-23. doi:https://doi.org/10.1186/s12940-015-0036-5

Rashid, A., Amin, M., Li, Y., Ashfaq, M., Zeng, Q., Hu, A., Li, S., Sun, Q. (2021). Reconciliation of Spatiotemporal Influences on Two-Dimensional Distribution and Fate of Emerging Contaminants in a Subtropical River. *ACS ES&T Water, 1*(11), 2305-2317. doi:https://doi.org/10.1021/acsestwater.1c00153

Rathi, B. S., S, K. S., V, R. (2023). Recent research progress on modified activated carbon from biomass for the treatment of wastewater: A critical review. *Environmental Quality Management*. doi:https://doi.org/10.1002/tqem.22166

Ratnayake, A. S., Ratnayake, N. P., Sampei, Y., Vijitha, A., Jayamali, S. D. (2018). Seasonal and tidal influence for water quality changes in coastal Bolgoda Lake system, Sri Lanka. *Journal of Coastal Conservation, 22*(6), 1191-1199.

Rivera-Arenas, D., Macías-Quiroga, I. F., Dávila-Arias, M. T., Vélez-Upegui, J. J., Sanabria-González, N. R. (2023). Adsorption of Acid Yellow 23 Dye on Organobentonite/Alginate Hydrogel Beads in a Fixed-Bed Column. *Journal of Composites Science, 7*(9), 362. doi:https://doi.org/10.3390/jcs7090362

Rochester, J. R. (2013). Bisphenol A and human health: a review of the literature. *Reproductive Toxicology, 42*, 132-155. doi:https://doi.org/10.1016/j.reprotox.2013.08.008

Rochester, J. R., Bolden, A. L. (2015). Bisphenol S and F: a systematic review and comparison of the hormonal activity of bisphenol A substitutes. *Environmental Health Perspectives, 123*(7), 643-650. doi:https://doi.org/10.1289/ehp.1408989

Ros, O., Vallejo, A., Olivares, M., Etxebarria, N., Prieto, A. (2016). Determination of endocrine disrupting compounds in fish liver, brain, and muscle using focused ultrasound solid–liquid extraction and dispersive solid phase extraction as clean-up strategy. *Analytical and Bioanalytical Chemistry, 408*, 5689-5700. doi:https://doi.org/10.1007/s00216-016-9697-3

Rovani, S., Santos, J. J., Guilhen, S. N., Corio, P., Fungaro, D. A. (2020). Fast, efficient and clean adsorption of bisphenol-A using renewable mesoporous silica nanoparticles from sugarcane waste ash. *RSC Advances, 10*(46), 27706-27712. doi:https://doi.org/10.1039/d0ra05198e

Russell, D., Thuesen, P., Thomson, F. (2012). A review of the biology, ecology, distribution and control of Mozambique tilapia, *Oreochromis mossambicus* (Peters 1852)(Pisces: Cichlidae) with particular emphasis on invasive Australian populations. *Reviews in Fish Biology and Fisheries, 22*, 533-554. doi:https://doi.org/10.1007/s11160-011-9249-z

Saadi, Z., Saadi, R., Fazaeli, R. (2013). Fixed-bed adsorption dynamics of Pb (II) adsorption from aqueous solution using nanostructured γ-alumina. *Journal of Nanostructure in Chemistry, 3*, 1-8. doi:https://doi.org/10.1186/2193-8865-3-48

Safakhah, N., Ghanemi, K., Nikpour, Y., Batvandi, Z. (2020). Occurrence, distribution, and risk assessment of bisphenol A in the surface sediments of Musa estuary and its tributaries in the northern end of the Persian Gulf, Iran. *Marine Pollution Bulletin, 156*, 111241. doi:https://doi.org/10.1016/j.marpolbul.2020.111241

Sagara, M. R. N., Sari, M. M., Septiariva, I. Y., Suryawan, I. W. K. (2022). The effect of salinity on oxygen transfer process in leachate with a low initial cod concentration. *Journal of Green Science and Technology, 6*(2). doi:https://doi.org/10.33603/jgst.v6i2.6911

Sahoo, T. R., Prelot, B. (2020). Adsorption processes for the removal of contaminants from wastewater: the perspective role of nanomaterials and nanotechnology. In *Nanomaterials for the detection and removal of wastewater pollutants* (pp. 161-222): Elsevier.

Sajiki, J., Yonekubo, J. (2004). Leaching of bisphenol A (BPA) from polycarbonate plastic to water containing amino acids and its degradation by radical oxygen species. *Chemosphere, 55*(6), 861-867. doi:https://doi.org/10.1016/j.chemosphere.2003.11.065

Sakamoto, H., Fukui, H., Souta, I., Kaneko, H. (2004). Studies on bisphenol A and its origins in leachates from solid waste landfills. *Journal of the Japan Society of Waste Management Experts, 15*, 511-520.

Sakamoto, H., Shoji, S., Kaneko, H. (2007). Leaching characteristics of bisphenol A from epoxy-resin pavement materials. *Toxicological & Environmental Chemistry, 89*(2), 191-203. doi:https://doi.org/10.1080/02772240601010105

Saleh, T. A. (2022). Isotherm models of adsorption processes on adsorbents and nanoadsorbents. In *Interface Science and Technology* (Vol. 34, pp. 99-126): Elsevier.

Saleh, T. A. (2022). Properties of nanoadsorbents and adsorption mechanisms. In *Interface Science and Technology* (Vol. 34, pp. 233-263): Elsevier.

Samarasinghe, K., Pawan Kumar, S., Visvanathan, C. (2021). Evaluation of circular economy potential of plastic waste in Sri Lanka. *Environmental Quality Management, 31*(1), 99-107. doi:https://doi.org/10.1002/tqem.21732

Sambe, H., Hoshina, K., Hosoya, K., Haginaka, J. (2006). Simultaneous determination of bisphenol A and its halogenated derivatives in river water by combination of isotope imprinting and liquid chromatography-mass spectrometry. *Journal of Chromatography A, 1134*(1-2), 16-23. doi:https://doi.org/10.1016/j.chroma.2006.08.072

Samsudin, M. H., Hassan, M. A., Idris, J., Ramli, N., Mohd Yusoff, M. Z., Ibrahim, I., Othman, M. R., Mohd Ali, A. A., Shirai, Y. (2019). A one-step self-sustained low temperature carbonization of coconut shell biomass produced a high specific surface area biochar-derived nano-adsorbent. *Waste Management & Research, 37*(5), 551-555. doi:https://doi.org/10.1177/0734242X18823953

Santana, G. M., Lelis, R. C. C., Jaguaribe, E. F., Morais, R. d. M., Paes, J. B., Trugilho, P. F. (2017). DESENVOLVIMENTO DE CARVÃO ATIVADO A PARTIR DE BAMBU (*Bambusa vulgaris*) PARA REMOÇÃO DE PESTICIDAS DE SOLUÇÕES AQUOSAS. *CERNE, 23*(1), 123-132. doi:https://doi.org/10.1590/01047760201723012256

Saravanan, P., Thillainayagam, B. P., Ravindiran, G., Josephraj, J. (2020). Evaluation of the adsorption capacity of *Cocos Nucifera* shell derived biochar for basic dyes sequestration from aqueous solution. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-17. doi:https://doi.org/10.1080/15567036.2020.1800142

Sarkhosh, M., Sadani, M., Abtahi, M., Azarpira, H., Alidadi, H., Atafar, Z., Rezaei, S., Mohseni, S. M., Vaezi, N., Fakhri, Y. (2019). Photo-biological degradation of Bisphenol A, UV/ZnO/Iodide process at the center of biological reactor. *Journal of Photochemistry and Photobiology A: Chemistry, 374*, 115-124. doi:https://doi.org/10.1016/j.jphotochem.2019.01.040

Savin, M., Vrkatić, A., Dedić, D., Vlaški, T., Vorgučin, I., Bjelanović, J., Jevtic, M. (2022). Additives in children's nutrition—A review of current events. *International Journal of Environmental Research and Public Health, 19*(20), 13452. doi:https://doi.org/10.3390/ijerph192013452

Schaffert, A., Krieg, L., Weiner, J., Schlichting, R., Ueberham, E., Karkossa, I., Bauer, M., Landgraf, K., Junge, K. M., Wabitsch, M. (2021). Alternatives for the worse: Molecular insights into adverse effects of bisphenol a and substitutes during human adipocyte differentiation. *Environment International, 156*, 106730. doi:https://doi.org/10.1016/j.envint.2021.106730

Schwarzbauer, J., Heim, S., Brinker, S., Littke, R. (2002). Occurrence and alteration of organic contaminants in seepage and leakage water from a waste deposit landfill. *Water Research, 36*(9), 2275-2287. doi:https://doi.org/10.1016/S0043-1354(01)00452-3

Seachrist, D. D., Bonk, K. W., Ho, S.-M., Prins, G. S., Soto, A. M., Keri, R. A. (2016). A review of the carcinogenic potential of bisphenol A. *Reproductive Toxicology, 59*, 167-182. doi:https://doi.org/10.1016/j.reprotox.2015.09.006

Senarathne, P., Pathiratne, K. (2007). Accumulation of heavy metals in a food fish, *Mystus gulio* inhabiting Bolgoda Lake, Sri Lanka. *Sri Lanka Journal of Aquatic Sciences, 12*, 61-75. doi:https://doi.org/10.4038/sljas.v12i0.2214

Sengottian, M., Venkatachalam, C. D., Ravichandran, S. R., Sekar, S., Thirumoorthi, A., Selvakumar, K. A., Sankaralingam, L. (2020). *Bisphenol A adsorption using hydrothermal carbonization derived biochar resulting from Casuarina equisetifolia L. and Wrightia tinctoria.* Paper presented at the AIP Conference Proceedings.

Serasinghe, D., Manage, P. M. (2021). Feasibility of biodegradation of Azamethiphos; odour and fly controlling chemical used in open solid waste dumpsite at Karadiyana, Colombo, Sri Lanka. *Journal of the National Science Foundation of Sri Lanka, 49*(1), 123-134. doi:http://dx.doi.org/10.4038/jnsfsr.v49i1.9891

Shah, M. A., Khan, N., Kumar, V., Qurashi, A. (2021). Pyrolysis of walnut shell residues in a fixed bed reactor: Effects of process parameters, chemical and functional properties of bio-oil. *Journal of Environmental Chemical Engineering, 9*(4), 105564. doi:https://doi.org/10.1016/j.jece.2021.105564

Shariff, A., Aziz, N. M., Ismail, N. I., Abdullah, N. (2016). Corn cob as a potential feedstock for slow pyrolysis of biomass. *Journal of Physical Science, 27*(2), 123-137. doi:http://dx.doi.org/10.21315/jps2016.27.2.9

Shehab, Z. N., Jamil, N. R., Aris, A. Z. (2020). Occurrence, environmental implications and risk assessment of Bisphenol A in association with colloidal particles in an urban tropical river in Malaysia. *Scientific Reports, 10*(1), 1-16. doi:https://doi.org/10.1038/s41598-020-77454-8

Shi, W., Wang, H., Yan, J., Shan, L., Quan, G., Pan, X., Cui, L. (2022). Wheat straw derived biochar with hierarchically porous structure for bisphenol A removal: Preparation, characterization, and adsorption properties. *Separation and Purification Technology, 289*, 120796. doi:https://doi.org/10.1016/j.seppur.2022.120796

Si, W., Cai, Y., Liu, J., Shen, J., Chen, Q., Chen, C., Ning, L. (2019). Investigating the role of colloids on the distribution of bisphenol analogues in surface water from an ecological demonstration area, China. *Science of the Total Environment, 673*, 699-707. doi:https://doi.org/10.1016/j.scitotenv.2019.04.142

Silva, M. R. d. L. E., Gomes, P. C. F. d. L., Okada, D. Y., Sakamoto, I. K., Varesche, M. B. A. (2020). The use of non-adapted anaerobic consortium in batch reactors enable to couple polychlorinated biphenyl degradation and community adaptation. *Environmental Technology, 41*(14), 1766-1779. doi:https://doi.org/10.1080/09593330.2018.1547794

Silverstein, R. M., Bassler, G. C. (1962). Spectrometric identification of organic compounds. *Journal of Chemical Education, 39*(11), 546. doi:https://doi.org/10.1021/ed039p546

Sinehbaghizadeh, S., Saptoro, A., Mohammadi, A. H. (2022). CO_2 hydrate properties and applications: A state of the art. *Progress in Energy and Combustion Science, 93*, 101026. doi:https://doi.org/10.1016/j.pecs.2022.101026

Singh, D. K., Kumar, V., Mohan, S., Bano, D., Hasan, S. H. (2017). Breakthrough curve modeling of graphene oxide aerogel packed fixed bed column for the removal of Cr(VI) from water. *Journal of Water Process Engineering, 18*, 150-158. doi:https://doi.org/10.1016/j.jwpe.2017.06.011

Sohoni, P., Tyler, C. R., Hurd, K., Caunter, J., Hetheridge, M., Williams, T., Woods, C., Evans, M., Toy, R., Gargas, M. (2001). Reproductive effects of long-term exposure to bisphenol A in the fathead minnow (*Pimephales promelas*). *Environmental Science & Technology, 35*(14), 2917-2925. doi:https://doi.org/10.1021/es000198n

Soysa, R. N. K., Pallegedara, A., Kumara, A. S., Jayasena, D. M., Samaranayake, M. K. S. M. (2022). Factors affecting waste generation and segregation behaviour. An analysis using data from the educated communities in the Western and the North-Western provinces of Sri Lanka.

Srivastava, A., Singh, M., Karsauliya, K., Mondal, D. P., Khare, P., Singh, S., Singh, S. P. (2020). Effective elimination of endocrine disrupting bisphenol A and S from drinking water using phenolic resin-based activated carbon fiber: Adsorption, thermodynamic and kinetic studies. *Environmental Nanotechnology, Monitoring & Management, 14*, 100316. doi:https://doi.org/10.1016/j.enmm.2020.100316

Stachel, B., Ehrhorn, U., Heemken, O.-P., Lepom, P., Reincke, H., Sawal, G., Theobald, N. (2003). Xenoestrogens in the River Elbe and its tributaries. *Environmental Pollution, 124*(3), 497-507. doi:https://doi.org/10.1016/S0269-7491(02)00483-9

Staniszewska, M., Koniecko, I., Falkowska, L., Krzymyk, E. (2015). Occurrence and distribution of bisphenol A and alkylphenols in the water of the gulf of Gdansk (Southern Baltic). *Marine Pollution Bulletin, 91*(1), 372-379. doi:https://doi.org/10.1016/j.marpolbul.2014.11.027

Statista Research Department. (2023). Market volume forecast of phenol worldwide from 2020 to 2024, by end-use (in million tons). Retrieved from https://www.statista.com/statistics/979293/global-phenol-market-volume-by-end-use/

Stojanoska, M. M., Milosevic, N., Milic, N., Abenavoli, L. (2017). The influence of phthalates and bisphenol A on the obesity development and glucose metabolism disorders. *Endocrine, 55*, 666-681. doi:https://doi.org/10.1007/s12020-016-1158-4

Sun, J., He, F., Pan, Y., Zhang, Z. (2017). Effects of pyrolysis temperature and residence time on physicochemical properties of different biochar types. *Acta Agriculturae Scandinavica, Section B—Soil & Plant Science, 67*(1), 12-22. doi:https://doi.org/10.1080/09064710.2016.1214745

Sun, L., Ling, Y., Jiang, J., Wang, D., Wang, J., Li, J., Wang, X., Wang, H. (2020). Differential mechanisms regarding triclosan vs. bisphenol A and fluorene-9-bisphenol induced zebrafish lipid-metabolism disorders by RNA-Seq. *Chemosphere, 251*, 126318. doi:https://doi.org/10.1016/j.chemosphere.2020.126318

Sun, W. L., Ni, J. R., O'Brien, K. C., Hao, P. P., Sun, L. Y. (2005). Adsorption of Bisphenol A on Sediments in the Yellow River. *Water, Air, and Soil Pollution, 167*(1), 353-364. doi:https://doi.org/10.1007/s11270-005-8263-y

Sun, Z., Zhao, L., Liu, C., Zhen, Y., Ma, J. (2020). Fast adsorption of BPA with high capacity based on π-π electron donor-acceptor and hydrophobicity mechanism using an *in-situ* sp^2 C dominant N-doped carbon. *Chemical Engineering Journal, 381*, 122510. doi:https://doi.org/10.1016/j.cej.2019.122510

Sunasee, S., Leong, K. H., Wong, K. T., Lee, G., Pichiah, S., Nah, I., Jeon, B.-H., Yoon, Y., Jang, M. (2019). Sonophotocatalytic degradation of bisphenol A and its intermediates with graphitic carbon nitride. *Environmental Science and Pollution Research, 26*, 1082-1093. doi:https://doi.org/10.1007/s11356-017-8729-7

Supong, A., Bhomick, P. C., Baruah, M., Pongener, C., Sinha, U. B., Sinha, D. (2019). Adsorptive removal of Bisphenol A by biomass activated carbon and insights into the adsorption mechanism through density functional theory calculations. *Sustainable Chemistry and Pharmacy, 13*, 100159. doi:https://doi.org/10.1016/j.scp.2019.100159

Tagade, A., Kirti, N., Sawarkar, A. N. (2021). Pyrolysis of agricultural crop residues: An overview of researches by Indian scientific community. *Bioresource Technology Reports, 15*, 100761. doi:https://doi.org/10.1016/j.biteb.2021.100761

Tan, R., Liu, R., Li, B., Liu, X., Li, Z. (2018). Typical endocrine disrupting compounds in rivers of Northeast China: occurrence, partitioning, and risk assessment. *Archives of Environmental Contamination and Toxicology, 75*(2), 213-223. doi:https://doi.org/10.1007/s00244-017-0482-x

Tan, X.-F., Zhu, S.-S., Wang, R.-P., Chen, Y.-D., Show, P.-L., Zhang, F.-F., Ho, S.-H. (2021). Role of biochar surface characteristics in the adsorption of aromatic compounds: Pore structure and functional groups. *Chinese Chemical Letters, 32*(10), 2939-2946. doi:https://doi.org/10.1016/j.cclet.2021.04.059

Tank, S. E., Lesack, L. F., McQueen, D. J. (2009). Elevated pH regulates bacterial carbon cycling in lakes with high photosynthetic activity. *Ecology, 90*(7), 1910-1922. doi:https://doi.org/10.1890/08-1010.1

Tappert, L., Bunge, M., Hoehne, D., Dlugi, I., Fetters, K., Fischer, B., Mueller, G., Bock, M., Gestermann, S. (2023). Bisphenol A in Surface Waters in Germany: Part I.

Reassessment of Sources and Emissions Pathways for FlowEQ Modeling. *Integrated Environmental Assessment and Management*. doi:https://doi.org/10.1002/ieam.4805

Tarafdar, A., Sirohi, R., Balakumaran, P. A., Reshmy, R., Madhavan, A., Sindhu, R., Binod, P., Kumar, Y., Kumar, D., Sim, S. J. (2022). The hazardous threat of Bisphenol A: Toxicity, detection and remediation. *Journal of Hazardous Materials, 423*, 127097. doi:https://doi.org/10.1016/j.jhazmat.2021.127097

Tejashwini, D. M., Harini, H. V., Nagaswarupa, H. P., Naik, R., Harlapur, S., Basavaraju, N. (2023). Nanoferrites in Photocatalytic Wastewater Treatment: Advancements, Characterization, and Environmental Implications. *Results in Chemistry, 7*, 101247. doi:https://doi.org/10.1016/j.rechem.2023.101247

Tempkin, M., Pyzhev, V. (1940). Kinetics of ammonia synthesis on promoted iron catalyst. *Acta Physicochimica U.R.S.S. , 12*(1), 327.

Tesfahun, A., Temesgen, M. (2018). Food and feeding habits of Nile tilapia *Oreochromis niloticus* (L.) in Ethiopian water bodies: A review. *International Journal of Fisheries and Aquatic Studies, 6*(1), 43-47.

Teuten, E. L., Saquing, J. M., Knappe, D. R., Barlaz, M. A., Jonsson, S., Björn, A., Rowland, S. J., Thompson, R. C., Galloway, T. S., Yamashita, R. (2009). Transport and release of chemicals from plastics to the environment and to wildlife. *Philosophical Transactions of the Royal Society B: Biological Sciences, 364*(1526), 2027-2045. doi:https://doi.org/10.1098/rstb.2008.0284

Thammatorn, W., Palić, D. (2022). Potential risks of microplastic fomites to aquatic organisms with special emphasis on polyethylene-microplastic-glyphosate exposure case in aquacultured shrimp. *Applied Sciences, 12*(10), 5135. doi:https://doi.org/10.3390/app12105135

Thathola, P., Agnihotri, V., Pandey, A., Upadhyay, S. K. (2022). Biodegradation of bisphenol A using psychrotolerant bacterial strain *Pseudomonas palleroniana* GBPI_508. *Archives of Microbiology, 204*(5), 272. doi:https://doi.org/10.1007/s00203-022-02885-y

The World Bank. (2018). What a Waste: An Updated Look into the Future of Solid Waste Management. Retrieved from https://www.worldbank.org/en/news/immersive-

story/2018/09/20/what-a-waste-an-updated-look-into-the-future-of-solid-waste-management

The World Bank. (2023). Trends in Solid Waste Management. Retrieved from https://datatopics.worldbank.org/what-a-waste/trends_in_solid_waste_management.html

Tiwari, B., Sellamuthu, B., Piché-Choquette, S., Drogui, P., Tyagi, R. D., Vaudreuil, M. A., Sauvé, S., Buelna, G., Dubé, R. (2019). The bacterial community structure of submerged membrane bioreactor treating synthetic hospital wastewater. *Bioresource Technology, 286*, 121362. doi:https://doi.org/10.1016/j.biortech.2019.121362

Tomczyk, A., Sokołowska, Z., Boguta, P. (2020). Biochar physicochemical properties: pyrolysis temperature and feedstock kind effects. *Reviews in Environmental Science and Bio/Technology, 19*(1), 191-215. doi:https://doi.org/10.1007/s11157-020-09523-3

Treviño, M. J. S., Zarazúa, S., Płotka-Wasylka, J. (2022). Nanosorbents as materials for extraction processes of environmental contaminants and others. *Molecules, 27*(3), 1067. doi:https://doi.org/10.3390/molecules27031067

Tsai, W.-T. (2006). Human health risk on environmental exposure to Bisphenol-A: A review. *Journal of Environmental Science and Health Part C, 24*(2), 225-255. doi:https://doi.org/10.1080/10590500600936482

Tsai, W.-T. (2023). Survey on the Environmental Risks of Bisphenol A and Its Relevant Regulations in Taiwan: An Environmental Endocrine-Disrupting Chemical of Increasing Concern. *Toxics, 11*(9), 722. doi:https://doi.org/10.3390/toxics11090722

Tsarpali, V., Kamilari, M., Dailianis, S. (2012). Seasonal alterations of landfill leachate composition and toxic potency in semi-arid regions. *Journal of Hazardous Materials, 233*, 163-171. doi:https://doi.org/10.1016/j.jhazmat.2012.07.007

Tursi, A., Chatzisymeon, E., Chidichimo, F., Beneduci, A., Chidichimo, G. (2018). Removal of endocrine disrupting chemicals from water: adsorption of bisphenol-A by biobased hydrophobic functionalized cellulose. *International Journal of Environmental Research and Public Health, 15*(11), 2419. doi:https://doi.org/10.3390/ijerph15112419

Ullah, R., Ahmad, I., Zheng, Y. (2016). Fourier transform infrared spectroscopy of “bisphenol A”. *Journal of Spectroscopy, 2016*. doi:https://doi.org/10.1155/2016/2073613

Urase, T., Miyashita, K.-i. (2003). Factors affecting the concentration of bisphenol A in leachates from solid waste disposal sites and its fate in treatment processes. *Journal of Material Cycles and Waste Management, 5*(1), 0077-0082. doi:https://doi.org/10.1007/s101630300012

Üzek, R., Şenel, S., Denizli, A. (2022). Investigation of thermodynamic, kinetic, and isothermal parameters for the selective adsorption of bisphenol A. *ACS omega, 7*(22), 18940-18952. doi:https://doi.org/10.1021/acsomega.2c01975

Vaigunthan, T., Sewwandi, B. (2022). Mapping of Environmental Pollution Risk Induced by Open Dumping Practice of Municipal Solid Waste in Karadiyana of Sri Lanka Using Geographic Information System. *International Journal for Research in Applied Sciences and Biotechnology, 9*(1), 127-139.

Vandenberg, L. N., Hauser, R., Marcus, M., Olea, N., Welshons, W. V. (2007). Human exposure to bisphenol A (BPA). *Reproductive Toxicology, 24*(2), 139-177. doi:https://doi.org/10.1016/j.reprotox.2007.07.010

Vasu, G., Sujatha, L., Manju Bashini, J. (2019). Histological changes in tilapia exposed to bisphenol A (BPA) compound. *International Journal of Advanced Scientific Research and Management, 4*(4), 267-282.

Viecelli, N. C., Baldasso, R. P., do Nascimento Filho, I., Manfredini, K. L. (2014). Occurrence of Bisphenol A in soil and leachate of a municipal landfill: effect of the sample acidification. *Scientia cum Industria, 2*(1), 10-14. doi:https://doi.org/10.18226/23185279.v2iss1p10

Vieira, W. T., de Farias, M. B., Spaolonzi, M. P., da Silva, M. G. C., Vieira, M. G. A. (2020). Removal of endocrine disruptors in waters by adsorption, membrane filtration and biodegradation. A review. *Environmental Chemistry Letters, 18*(4), 1113-1143. doi:https://doi.org/10.1007/s10311-020-01000-1

Vithanage, M., Rajapaksha, A. U., Zhang, M., Thiele-Bruhn, S., Lee, S. S., Ok, Y. S. (2015). Acid-activated biochar increased sulfamethazine retention in soils.

Environmental Science and Pollution Research, 22, 2175-2186. doi:https://doi.org/10.1007/s11356-014-3434-2

Vom Saal, F. S., Vandenberg, L. N. (2021). Update on the health effects of bisphenol A: overwhelming evidence of harm. *Endocrinology, 162*(3), bqaa171. doi:https://doi.org/10.1210/endocr/bqaa171

Wadhawan, S., Jain, A., Nayyar, J., Mehta, S. K. (2020). Role of nanomaterials as adsorbents in heavy metal ion removal from waste water: A review. *Journal of Water Process Engineering, 33*, 101038. doi:https://doi.org/10.1016/j.jwpe.2019.101038

Wahi, R., Hasana, N. H., Yusof, Y. (2020). Coconut Shell Biochar for Removal of Cu (II) from Aqueous Solution. *Pakistan Journal of Analytical & Environmental Chemistry, 21*(2), 280-292. doi:http://dx.doi.org/10.21743/pjaec/2020.12.30

Wang, D., Wang, Y., Wang, X. (2022). Heterostructured ZIF-67@ α-MnO_2 based nanofibrous membranes for highly effective removal of low-molecular-weight pollutants from wastewater. *Separation and Purification Technology, 303*, 122225. doi:https://doi.org/10.1016/j.seppur.2022.122225

Wang, F., Ma, X., Sun, Q., Zhang, Y., Liu, Y., Gu, J., Wang, L. (2023). Bisphenol B induces developmental toxicity in zebrafish via oxidative stress. *Environmental Science and Pollution Research*, 1-11. doi:https://doi.org/10.1007/s11356-023-31161-9

Wang, F., Zeng, Q., Su, W., Zhang, M., Hou, L., Wang, Z.-L. (2019). Adsorption of Bisphenol A on Peanut Shell Biochars: The Effects of Surfactants. *Journal of Chemistry, 2019*, 2428505. doi:http://dx.doi.org/10.1155/2019/2428505

Wang, H., Tang, Z., Liu, Z.-h., Zeng, F., Zhang, J., Dang, Z. (2022). Occurrence, spatial distribution, and main source identification of ten bisphenol analogues in the dry season of the Pearl River, South China. *Environmental Science and Pollution Research, 29*(18), 27352-27365. doi:https://doi.org/10.1007/s11356-021-17647-4

Wang, J., Zhang, M. (2020). Adsorption characteristics and mechanism of bisphenol A by magnetic biochar. *International Journal of Environmental Research and Public Health, 17*(3), 1075. doi:https://doi.org/10.3390/ijerph17031075

Wang, L., Ying, G.-G., Chen, F., Zhang, L.-J., Zhao, J.-L., Lai, H.-J., Chen, Z.-F., Tao, R. (2012). Monitoring of selected estrogenic compounds and estrogenic activity in

surface water and sediment of the Yellow River in China using combined chemical and biological tools. *Environmental Pollution, 165*, 241-249. doi:https://doi.org/10.1016/j.envpol.2011.10.005

Wang, L., Ying, G.-G., Zhao, J.-L., Liu, S., Yang, B., Zhou, L.-J., Tao, R., Su, H.-C. (2011). Assessing estrogenic activity in surface water and sediment of the Liao River system in northeast China using combined chemical and biological tools. *Environmental Pollution, 159*(1), 148-156. doi:https://doi.org/10.1016/j.envpol.2010.09.017

Wang, P., Xiao, P., Zhong, S., Chen, J., Lin, H., Wu, X.-L. (2016). Bamboo-like carbon nanotubes derived from colloidal polymer nanoplates for efficient removal of bisphenol A. *Journal of Materials Chemistry A, 4*(40), 15450-15456. doi:https://doi.org/10.1039/C6TA06971A

Wang, Q.-X., Feng, Q.-Y., Zhu, X.-Q. (2023). Determination of bisphenols in sediment by accelerated solvent extraction and solid-phase extraction purification coupled with ultra performance liquid chromatography-tandem mass spectrometry. *Se pu= Chinese Journal of Chromatography, 41*(7), 582-590. doi:https://doi.org/10.3724/sp.j.1123.2022.12015

Wang, Q., Feng, Q., Hu, G., Gao, Z., Zhu, X., Epri, J. E. (2022). Simultaneous determination of seven bisphenol analogues in surface water by solid-phase extraction and ultra-performance liquid chromatography-tandem mass spectrometry. *Microchemical Journal, 175*, 107098. doi:https://doi.org/10.1016/j.microc.2021.107098

Wang, Q., Zhang, Y., Feng, Q., Hu, G., Gao, Z., Meng, Q., Zhu, X. (2022). Occurrence, distribution, and risk assessment of bisphenol analogues in Luoma Lake and its inflow rivers in Jiangsu Province, China. *Environmental Science and Pollution Research, 29*(1), 1430-1445. doi:https://doi.org/10.1007/s11356-021-15711-7

Wang, R.-Z., Huang, D.-L., Liu, Y.-G., Peng, Z.-W., Zeng, G.-M., Lai, C., Xu, P., Huang, C., Zhang, C., Gong, X.-M. (2016). Selective removal of BPA from aqueous solution using molecularly imprinted polymers based on magnetic graphene oxide. *RSC Advances, 6*(108), 106201-106210. doi:https://doi.org/10.1039/C6RA21148H

Wang, R., Tan, T., Liang, H., Huang, Y., Dong, S., Wang, P., Su, X. (2021). Occurrence and distribution of bisphenol compounds in different categories of animal

feeds used in China. *Emerging Contaminants, 7*, 179-186. doi:https://doi.org/10.1016/j.emcon.2021.08.001

Wang, S., Su, Y., Cheng, M., Wang, Q., Wu, X., Wang, Y., Sun, F., Wang, R., Ji, R. (2023). Fate of Bisphenol A (BPA) in a Flooded Soil-Rice System. *Journal of Hazardous Materials, 459*, 132177. doi:https://doi.org/10.1016/j.jhazmat.2023.132177

Wang, X., Chen, A., Chen, B., Wang, L. (2020). Adsorption of phenol and bisphenol A on river sediments: Effects of particle size, humic acid, pH and temperature. *Ecotoxicology and Environmental Safety, 204*, 111093. doi:https://doi.org/10.1016/j.ecoenv.2020.111093

Wang, Y., Pan, C., Chu, W., Vipin, A. K., Sun, L. (2019). Environmental remediation applications of carbon nanotubes and graphene oxide: Adsorption and catalysis. *Nanomaterials, 9*(3), 439. doi:https://doi.org/10.3390/nano9030439

Wang, Y., Wei, X., Qi, Y., Huang, H. (2021). Efficient removal of bisphenol-A from water and wastewater by Fe_2O_3-modified graphene oxide. *Chemosphere, 263*, 127563. doi:https://doi.org/10.1016/j.chemosphere.2020.127563

Wang, Y., Zhu, H., Kannan, K. (2019). A review of biomonitoring of phthalate exposures. *Toxics, 7*(2), 21. doi:https://doi.org/10.3390/toxics7020021

Wantaneeyakul, N., Kositkanawuth, K., Turn, S. Q., Fu, J. (2021). Investigation of Biochar Production from Copyrolysis of Rice Husk and Plastic. *ACS omega, 6*(43), 28890-28902. doi:https://doi.org/10.1021/acsomega.1c03874

Wathudura, P. D., Peiris, C., Navarathna, C. M., Mlsna, T. E., Kaumal, M., Vithanage, M., Gunatilake, S. R. (2020). Microwave and open vessel digestion methods for biochar. *Chemosphere, 239*, 124788. doi:https://doi.org/10.1016/j.chemosphere.2019.124788

Weber, M., Julbe, A., Ayral, A., Miele, P., Bechelany, M. (2018). Atomic layer deposition for membranes: basics, challenges, and opportunities. *Chemistry of Materials, 30*(21), 7368-7390. doi:https://doi.org/10.1021/acs.chemmater.8b02687

Wee, S. Y., Aris, A. Z., Yusoff, F. M., Praveena, S. M. (2019). Occurrence and risk assessment of multiclass endocrine disrupting compounds in an urban tropical river

and a proposed risk management and monitoring framework. *Science of the Total Environment, 671*, 431-442. doi:https://doi.org/10.1016/j.scitotenv.2019.03.243

Wei, C.-H., Wang, N., HoppeJones, C., Leiknes, T., Amy, G., Fang, Q., Hu, X., Rong, H. (2018). Organic micropollutants removal in sequential batch reactor followed by nanofiltration from municipal wastewater treatment. *Bioresource Technology, 268*, 648-657. doi:https://doi.org/10.1016/j.biortech.2018.08.073

Wei, H., Abtahi, S. M. H., Vikesland, P. J. (2015). Plasmonic colorimetric and SERS sensors for environmental analysis. *Environmental Science: Nano, 2*(2), 120-135. doi:https://doi.org/10.1039/C4EN00211C

Wei, Y., Yuanxi, L., Yu, L., Mingxiang, X., Liping, Z., Qiuliang, D. (2020). Impacts of rainfall intensity and urbanization on water environment of urban lakes. *Ecohydrology & Hydrobiology*, *20*(4), 513-524. doi:https://doi.org/10.1016/j.ecohyd.2020.06.006

Weiss, A., Hollandsworth, H. M., Alseidi, A., Scovel, L., French, C., Derrick, E. L., Klaristenfeld, D. (2016). Environmentalism in surgical practice. *Current Problems in Surgery*, *53*(4), 165-205. doi:https://doi.org/10.1067/j.cpsurg.2016.02.001

Werner, S., Kätzl, K., Wichern, M., Buerkert, A., Steiner, C., Marschner, B. (2018). Agronomic benefits of biochar as a soil amendment after its use as waste water filtration medium. *Environmental Pollution, 233*, 561-568. doi:https://doi.org/10.1016/j.envpol.2017.10.048

Wijesekara, S., Mayakaduwa, S. S., Siriwardana, A., De Silva, N., Basnayake, B., Kawamoto, K., Vithanage, M. (2014). Fate and transport of pollutants through a municipal solid waste landfill leachate in Sri Lanka. *Environmental Earth Sciences, 72*, 1707-1719. doi:https://doi.org/10.1007/s12665-014-3075-2

Wijethunga, M., Epa, U. (2008). *Food resource partitioning of accidentally introduced sucker mouth catfish, Pterygoplychthys multiradiatus with some of the indigenous and intentionally introduced fish species in Sri Lanka.* Paper presented at the National Symposium on Invasive Alien Species (IAS 2008), Sri Lanka Foundation Institute, Colombo, Sri Lanka.

Wilczewska, K., Namieśnik, J., Wasik, A. (2016). Troubleshooting of the determination of bisphenol A at ultra-trace levels by liquid chromatography and

tandem mass spectrometry. *Analytical and Bioanalytical Chemistry, 408*, 1009-1013. doi:https://doi.org/10.1007/s00216-015-9215-z

Wildhaber, M. L., West, B. M., Ditter, K. K., Peterson, A. S., Calfee, R. D., Beaman, Z. D. (2023). Herbivorous Grass Carp (*Ctenopharyngodon idella*) Exhibit Greater Olfactory Response to Amino Acids Than Filter-Feeding Bighead (*Hypophthalmichthys nobilis*) and Silver Carp (*Hypophthalmichthys molitrix*). *Fishes, 8*(7), 334.

Wojnowska-Baryła, I., Bernat, K., Zaborowska, M. (2022). Plastic Waste Degradation in Landfill Conditions: The Problem with Microplastics, and Their Direct and Indirect Environmental Effects. *International Journal of Environmental Research and Public Health, 19*(20), 13223. doi:https://doi.org/10.3390/ijerph192013223

Wu, N. C., Seebacher, F. (2020). Effect of the plastic pollutant bisphenol A on the biology of aquatic organisms: A meta-analysis. *Global Change Biology, 26*(7), 3821-3833. doi:https://doi.org/10.1111/gcb.15127

Xiao, K., Abbt-Braun, G., Horn, H. (2020). Changes in the characteristics of dissolved organic matter during sludge treatment: A critical review. *Water Research, 187*, 116441. doi:https://doi.org/10.1016/j.watres.2020.116441

Xing, J., Zhang, S., Zhang, M., Hou, J. (2022). A critical review of presence, removal and potential impacts of endocrine disruptors bisphenol A. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, 254*, 109275. doi:https://doi.org/10.1016/j.cbpc.2022.109275

Xu, J., Wang, L., Zhu, Y. (2012). Decontamination of bisphenol A from aqueous solution by graphene adsorption. *Langmuir, 28*(22), 8418-8425. doi:https://doi.org/10.1021/la301476p

XU, J., ZHU, Y.-F. (2013). Elimination of bisphenol A from water via graphene oxide adsorption. *Acta Physico-Chimica Sinica, 29*(4), 829-836. doi:https://doi.org/10.3866/PKU.WHXB201301211

Xu, M.-Y., Lin, Y.-L., Zhang, T.-Y., Hu, C.-Y., Tang, Y.-L., Deng, J., Xu, B. (2022). Chlorine dioxide-based oxidation processes for water purification: A review. *Journal of Hazardous Materials, 436*, 129195. doi:https://doi.org/10.1016/j.jhazmat.2022.129195

Xu, S. Y., Zhang, H., He, P. J., Shao, L. M. (2011). Leaching behaviour of bisphenol A from municipal solid waste under landfill environment. *Environmental Technology, 32*(11), 1269-1277. doi:https://doi.org/10.1080/09593330.2010.535175

Xu, X., Wang, Y., Li, X. (2008). Sorption behavior of bisphenol A on marine sediments. *Journal of Environmental Science and Health, Part A, 43*(3), 239-246. doi:https://doi.org/10.1080/10934520701792696

Yaashikaa, P. R., Kumar, P. S., Varjani, S., Saravanan, A. (2020). A critical review on the biochar production techniques, characterization, stability and applications for circular bioeconomy. *Biotechnology Reports, 28*, e00570. doi:https://doi.org/10.1016/j.btre.2020.e00570

Yaghoot-Nezhad, A., Wacławek, S., Madihi-Bidgoli, S., Hassani, A., Lin, K.-Y. A., Ghanbari, F. (2023). Heterogeneous photocatalytic activation of electrogenerated chlorine for the production of reactive oxygen and chlorine species: A new approach for Bisphenol A degradation in saline wastewater. *Journal of Hazardous Materials, 445*, 130626. doi:https://doi.org/10.1016/j.jhazmat.2022.130626

Yagub, M. T., Sen, T. K., Afroze, S., Ang, H. M. (2015). Fixed-bed dynamic column adsorption study of methylene blue (MB) onto pine cone. *Desalination and Water Treatment, 55*(4), 1026-1039. doi:https://doi.org/10.1080/19443994.2014.924034

Yahaya, N. K. E. M., Abustan, I., Latiff, M. F. P. M., Bello, O. S., Ahmad, M. A. (2011). Fixed-bed column study for Cu (II) removal from aqueous solutions using rice husk based activated carbon. *International Journal of Engineering & Technology, 11*(1), 248-252.

Yamamoto, T., Yasuhara, A., Shiraishi, H., Nakasugi, O. (2001). Bisphenol A in hazardous waste landfill leachates. *Chemosphere, 42*(4), 415-418. doi:https://doi.org/10.1016/S0045-6535(00)00079-5

Yamazaki, E., Yamashita, N., Taniyasu, S., Lam, J., Lam, P., Moon, H., Jeong, Y., Kannan, P., Achyuthan, H., Munuswamy, N. (2015). Bisphenol A and other bisphenol analogues including BPS and BPF in surface water samples from Japan, China, Korea and India. *Ecotoxicology and Environmental Safety, 122*, 565-572. doi:https://doi.org/10.1016/j.ecoenv.2015.09.029

Yamazaki, E., Yamashita, N., Taniyasu, S., Lam, J., Lam, P. K., Moon, H.-B., Jeong, Y., Kannan, P., Achyuthan, H., Munuswamy, N. (2015). Bisphenol A and other bisphenol analogues including BPS and BPF in surface water samples from Japan, China, Korea and India. *Ecotoxicology and Environmental Safety, 122*, 565-572. doi:https://doi.org/10.1016/j.ecoenv.2015.09.029

Yan, Z., Liu, Y., Yan, K., Wu, S., Han, Z., Guo, R., Chen, M., Yang, Q., Zhang, S., Chen, J. (2017). Bisphenol analogues in surface water and sediment from the shallow Chinese freshwater lakes: occurrence, distribution, source apportionment, and ecological and human health risk. *Chemosphere, 184*, 318-328. doi:https://doi.org/10.1016/j.chemosphere.2017.06.010

Yang, C. Z., Yaniger, S. I., Jordan, V. C., Klein, D. J., Bittner, G. D. (2011). Most plastic products release estrogenic chemicals: a potential health problem that can be solved. *Environmental Health Perspectives, 119*(7), 989-996. doi:https://doi.org/10.1289/ehp.1003220

Yang, L., Cheng, Q., Lin, L., Wang, X., Chen, B., Luan, T., Tam, N. F. (2016). Partitions and vertical profiles of 9 endocrine disrupting chemicals in an estuarine environment: effect of tide, particle size and salinity. *Environmental Pollution, 211*, 58-66. doi:https://doi.org/10.1016/j.envpol.2015.12.034

Yang, Q., Mi, B. (2013). Nanomaterials for membrane fouling control: accomplishments and challenges. *Advances in Chronic Kidney Disease, 20*(6), 536-555. doi:https://doi.org/10.1053/j.ackd.2013.08.005

Yang, S., Zhang, X., Tang, J., Zhang, A. (2022). Efficient degradation of bisphenol A by the UV-enhanced nano zero-valent iron-activated hydrogen peroxide advanced oxidation system. *Journal of Environmental Chemical Engineering, 10*(6), 108806. doi:https://doi.org/10.1016/j.jece.2022.108806

Yang, T., Wen, X.-D., Li, J., Yang, L. (2006). Theoretical and experimental investigations on the structures of purified clay and acid-activated clay. *Applied Surface Science, 252*(18), 6154-6161. doi:https://doi.org/10.1016/j.apsusc.2005.06.033

Yang, Y., Lu, L., Zhang, J., Yang, Y., Wu, Y., Shao, B. (2014). Simultaneous determination of seven bisphenols in environmental water and solid samples by liquid

chromatography–electrospray tandem mass spectrometry. *Journal of Chromatography A, 1328*, 26-34. doi:https://doi.org/10.1016/j.chroma.2013.12.074

Yaqoob, A. A., Parveen, T., Umar, K., Mohamad Ibrahim, M. N. (2020). Role of nanomaterials in the treatment of wastewater: A review. *Water, 12*(2), 495. doi:https://doi.org/10.3390/w12020495

Yasuhara, A., Shiraishi, H., Nishikawa, M., Yamamoto, T., Nakasugi, O., Okumura, T., Kenmotsu, K., Fukui, H., Nagase, M., Kawagoshi, Y. (1999). Organic components in leachates from hazardous waste disposal sites. *Waste Management and Research, 17*(3), 186-197. doi: https://doi.org/10.1034/j.1399-3070.1999.00038.x

Yazdani, E., Hashemabadi, S. H., Taghizadeh, A. (2019). Study of waste tire pyrolysis in a rotary kiln reactor in a wide range of pyrolysis temperature. *Waste Management, 85*, 195-201. doi:https://doi.org/10.1016/j.wasman.2018.12.020

Yoon, Y., Ryu, J., Oh, J., Choi, B.-G., Snyder, S. A. (2010). Occurrence of endocrine disrupting compounds, pharmaceuticals, and personal care products in the Han River (Seoul, South Korea). *Science of the Total Environment, 408*(3), 636-643. doi:https://doi.org/10.1016/j.scitotenv.2009.10.049

Yu, X., Yu, F., Li, Z., Zhan, J. (2022). Occurrence, distribution, and ecological risk assessment of pharmaceuticals and personal care products in the surface water of the middle and lower reaches of the Yellow River (Henan section). *Journal of Hazardous Materials, 443*, 130369. doi:https://doi.org/10.1016/j.jhazmat.2022.130369

Yue, W., Yin, C.-F., Sun, L., Zhang, J., Xu, Y., Zhou, N.-Y. (2021). Biodegradation of bisphenol-A polycarbonate plastic by Pseudoxanthomonas sp. strain NyZ600. *Journal of Hazardous Materials, 416*, 125775. doi:https://doi.org/10.1016/j.jhazmat.2021.125775

Yuvakkumar, R., Elango, V., Rajendran, V., Kannan, N. (2011). Preparation and characterization of zero valent iron nanoparticles. *Digest Journal of Nanomaterials and Biostructures, 6*(4), 1771-1776.

Zaib, Q., Khan, I. A., Saleh, N. B., Flora, J. R., Park, Y.-G., Yoon, Y. (2012). Removal of bisphenol A and 17β-estradiol by single-walled carbon nanotubes in aqueous solution: adsorption and molecular modeling. *Water, Air, & Soil Pollution, 223*(6), 3281-3293. doi:https://doi.org/10.1007/s11270-012-1109-5

Zamri, M. F. M. A., Bahru, R., Pramanik, S. K., Fattah, I. M. R. (2021). Treatment strategies for enhancing the removal of endocrine-disrupting chemicals in water and wastewater systems. *Journal of Water Process Engineering, 41*, 102017. doi:https://doi.org/10.1016/j.jwpe.2021.102017

Zeng, G., Zhang, C., Huang, G., Yu, J., Wang, Q., Li, J., Xi, B., Liu, H. (2006). Adsorption behavior of bisphenol A on sediments in Xiangjiang River, Central-south China. *Chemosphere*, *65*(9), 1490-1499. doi:https://doi.org/10.1016/j.chemosphere.2006.04.013

Zhang, E., Zhao, P., Xu, G., Meng, F., Wang, X., Gao, Y., Liu, L., Jin, S. (2024). High efficiency manganese cobalt spinel structure catalytic ozonation ceramic membrane for in situ BPA degradation and membrane fouling elimination. *Journal of Environmental Chemical Engineering*, *12*(1), 111774. doi:https://doi.org/10.1016/j.jece.2023.111774

Zhang, Q., Yang, X., Li, P., Huang, G., Feng, S., Shen, C., Han, B., Zhang, X., Jin, F., Xu, F. (2015). Bioinspired engineering of honeycomb structure–Using nature to inspire human innovation. *Progress in Materials Science*, *74*, 332-400. doi:https://doi.org/10.1016/j.pmatsci.2015.05.001

Zhang, S., You, J., Song, C., Chen, G., Suo, Y. (2012). Purification and determination of bisphenol A and alkylphenol in river sediments by high performance liquid chromatography with fluorescence detection. *Analytical Methods*, *4*(12), 4030-4036. doi:https://doi.org/10.1039/C2AY25865J

Zhang, W., He, H., Li, H., Duan, L., Zu, L., Zhai, Y., Li, W., Wang, L., Fu, H., Zhao, D. (2021). Visible-light responsive TiO_2-based materials for efficient solar energy utilization. *Advanced Energy Materials*, *11*(15), 2003303. doi: https://doi.org/10.1002/aenm.202003303

Zhang, X., Ding, Y., Tang, H., Han, X., Zhu, L., Wang, N. (2014). Degradation of bisphenol A by hydrogen peroxide activated with $CuFeO_2$ microparticles as a heterogeneous Fenton-like catalyst: efficiency, stability and mechanism. *Chemical Engineering Journal*, *236*, 251-262. doi:https://doi.org/10.1016/j.cej.2013.09.051

Zhang, X., Gao, Y., Li, Q., Li, G., Guo, Q., Yan, C. (2011). Estrogenic compounds and estrogenicity in surface water, sediments, and organisms from Yundang Lagoon

in Xiamen, China. *Archives of Environmental Contamination and Toxicology, 61*(1), 93-100. doi:https://doi.org/10.1007/s00244-010-9588-0

Zhang, X., Zhang, D., Zhang, H., Luo, Z., Yan, C. (2012). Occurrence, distribution, and seasonal variation of estrogenic compounds and antibiotic residues in Jiulongjiang River, South China. *Environmental Science and Pollution Research, 19*(5), 1392-1404. doi:https://doi.org/10.1007/s11356-012-0818-z

Zhang, Y.-F., Shan, C., Wang, Y., Qian, L.-L., Jia, D.-D., Zhang, Y.-F., Hao, X.-D., Xu, H.-M. (2020). Cardiovascular toxicity and mechanism of bisphenol A and emerging risk of bisphenol S. *Science of the Total Environment, 723*, 137952. doi:https://doi.org/10.1016/j.scitotenv.2020.137952

Zhang, Y., Cheng, Y., Chen, N., Zhou, Y., Li, B., Gu, W., Shi, X., Xian, Y. (2014). Recyclable removal of bisphenol A from aqueous solution by reduced graphene oxide–magnetic nanoparticles: adsorption and desorption. *Journal of Colloid and Interface Science, 421*, 85-92. doi:https://doi.org/10.1016/j.jcis.2014.01.022

Zhao, J.-L., Ying, G.-G., Wang, L., Yang, J.-F., Yang, X.-B., Yang, L.-H., Li, X. (2009). Determination of phenolic endocrine disrupting chemicals and acidic pharmaceuticals in surface water of the Pearl Rivers in South China by gas chromatography–negative chemical ionization–mass spectrometry. *Science of the Total Environment, 407*(2), 962-974. doi:https://doi.org/10.1016/j.scitotenv.2008.09.048

Zhao, X., Zhang, H., Chen, Z.-l., Wang, X.-c., Shen, J.-m. (2020). Spatial and temporal distributions of bisphenol analogues in water and sediment from the Lanzhou section of the Yellow River, China. *Arabian Journal of Geosciences, 13*, 1-8. doi:https://doi.org/10.1007/s12517-020-06122-y

Zheng, C., Liu, J., Ren, J., Shen, J., Fan, J., Xi, R., Chen, W., Chen, Q. (2019). Occurrence, distribution and ecological risk of bisphenol analogues in the surface water from a water diversion project in Nanjing, China. *International Journal of Environmental Research and Public Health, 16*(18), 3296. doi:https://doi.org/10.3390/ijerph16183296

Zhou, T., Che, G., Ding, L., Sun, D., Li, Y. (2019). Recent progress of selective adsorbents: from preparation to complex sample pretreatment. *TrAC Trends in Analytical Chemistry, 121*, 115678. doi:https://doi.org/10.1016/j.trac.2019.115678

Zhuo, R., Fan, F. (2021). A comprehensive insight into the application of white rot fungi and their lignocellulolytic enzymes in the removal of organic pollutants. *Science of the Total Environment, 778*, 146132. doi:https://doi.org/10.1016/j.scitotenv.2021.146132

Zielińska, M., Bułkowska, K., Cydzik-Kwiatkowska, A., Bernat, K., Wojnowska-Baryła, I. (2016). Removal of bisphenol A (BPA) from biologically treated wastewater by microfiltration and nanofiltration. *International Journal of Environmental Science and Technology, 13*, 2239-2248. doi:https://doi.org/10.1007/s13762-016-1056-6

Zielińska, M., Wojnowska-Baryła, I., Cydzik-Kwiatkowska, A., Zielińska, M., Wojnowska-Baryła, I., Cydzik-Kwiatkowska, A. (2019). Microbial biodegradation and metabolism of BPA. In *Bisphenol A Removal from Water and Wastewater* (pp. 61-78). doi:https://doi.org/10.1007/978-3-319-92361-1_4

Zielińska, M., Wojnowska-Baryła, I., Cydzik-Kwiatkowska, A., Zielińska, M., Wojnowska-Baryła, I., Cydzik-Kwiatkowska, A. (2019). Physical and chemical treatment technologies for BPA removal from wastewater. In *Bisphenol A Removal from Water and Wastewater* (pp. 29-60). doi:https://doi.org/10.1007/978-3-319-92361-1_3

Zielińska, M., Wojnowska-Baryła, I., Cydzik-Kwiatkowska, A., Zielińska, M., Wojnowska-Baryła, I., Cydzik-Kwiatkowska, A. (2019). Sources and properties of BPA. In *Bisphenol A Removal from Water and Wastewater* (pp. 3-28). doi:https://doi.org/10.1007/978-3-319-92361-1_2

Zuo, Y., Zhu, Z., Alshanqiti, M., Michael, J., Deng, Y. (2015). Bisphenol A and the related alkylphenol contaminants in crustaceans and their potential bioeffects. *Advances in Environmental Research, 4*(1), 39-48. doi:https://doi.org/10.12989/aer.2015.4.1.039