

Dr. Jameel Ahmed Baig

Publication

1. Akhtar, A., Kazi, T.G., Afridi, H.I., **Baig, J.A.**, Musharraf, S.G. Arain, M.B., Efficiency of different green shaking extraction methods for the preconcentration of trace quantity of mercury in artificial saliva extract of snuff products: impact on adult consumers. *Chemical Papers*, (2021), 75(7), 3005-3015. <https://doi.org/10.1007/s11696-021-01545-7> (I.F.: 1.68)
2. Chanihoon, G.Q., Afridi, H.I., Talpur, F.N., Kazi, T.G., **Baig, J.A.** Interaction Between Essential (Zn) and Toxic (Cd) Elements in Different Stages of Female Breast Cancer Patients, Resident in Different Cities of Sindh, Pakistan. *Biological Trace Element Research*, (2021), 1-10. <https://doi.org/10.1007/s12011-021-02757-4> (I.F.: 2.369)
3. Afridi, H.I., Kazi, T.G., Talpur, F.N., **Baig, J.A.**, Chanihoon, G.Q., Lashari, A. and Channa, G.M. Elemental Concentrations in Biological Samples of Coronavirus Disease (COVID-19) and Other Pulmonary Disease Patients. *American Journal of Analytical Chemistry*, (2021), 12(5), 162-187. DOI: [10.4236/ajac.2021.125011](https://doi.org/10.4236/ajac.2021.125011), (I.F.: 1.30)
4. Waris, M., **Baig, J.A.**, Afridi, H.I. and Maqsood, F. Microwave-assisted single-step extraction method for determination of heavy metals in saline soil and compare with conventional sequential extraction method. *Environmental Earth Sciences*, (2021), 80(8), 1-7. <https://doi.org/10.1007/s12665-021-09596-5> (I.F.: 2.180)
5. Waris, M., **Baig, J.A.**, Talpur, F.N., Afridi, H.I., Kazi, T.G. and Yousaf, H. Evaluation of selected halophytes for phytoextraction of Co, Cu, Zn and capability of desalination of saline soil. *International Journal of Environmental Science and Technology*, (2021), 1-10. <https://doi.org/10.1007/s13762-021-03269-3> (I.F.: 2.540)
6. Kazi, T.G., Baloch, S., **Baig, J.A.**, Afridi, H.I. and Arain, M.B. Evaluate the adverse impact of metal oxide on workers of different age groups that engage with gas metal arc welding process: health risk assessment. *Environmental Science and Pollution Research*, (2021), 28(7), 8652-8661. <https://doi.org/10.1007/s11356-020-11192-2> (I.F.: 3.056).
7. Waris, M., Kazi, T.G. **Baig, J.A.** Evaluation and speciation of cobalt, copper, and zinc in saline soil by microwave-assisted single extraction. *Environmental Progress and Sustainable Energy*, (2021), e13610. <https://doi.org/10.1002/ep.13610> (I.F.: 1.989).
8. S Atif, **J A Baig**, HI Afridi, TG Kazi, M., Waris Novel nontoxic electrochemical method for the detection of cefadroxil in pharmaceutical formulations and biological samples. *Microchemical Journal* (2020), 154, 104574 <https://doi.org/10.1016/j.microc.2019.104574> (I.F : 3.206)
9. Qureshi, A.A., Kazi, T.G., **Baig, J.A.**, Arain, M.B., Afridi, H.I. Exposure of heavy metals in coal gangue soil, in and outside the mining area using BCR conventional and vortex assisted and single step extraction methods. Impact on orchard grass. *Chemosphere* (2020) 255,126960. <https://doi.org/10.1016/j.chemosphere.2020.126960> (5.778)
10. Kazi, T.G., Afridi, H.I., Korejo, F.A., Akhtar, A., **Baig, J.A.** Evaluate the exposure of toxic metals via drinking water and smoking nonbranded cigarette in malnutrition women by modified single/two-step cloud point extraction. *Environmental Science and Pollution Research* (2020) 7(13)14543-14552 DOI: [10.1007/s11356-020-07897-z](https://doi.org/10.1007/s11356-020-07897-z) (3.056)
11. Kazi, T.G., Samejo, S., Afridi, H.I., Akhtar, A., **Baig, J.A.** A switchable ionic liquid with polarity swing-assisted regeneration properties used for the preconcentration of cadmium in biological samples. *Applied Organometallic Chemistry*, (2020) 34 (1), e5263 (I.F. 3.259) <https://doi.org/10.1002/aoc.5263> .
12. Akhtar, A., Kazi, T.G., Afridi, H.I., **Baig, J.A.**, Khan, M., Simultaneous preconcentration of toxic elements in eye makeup products through single drop ionic liquid based non-dispersive microextraction method using narrow

glass column: Multivariate application. **Microchemical J.** (2020) 157,104963. <https://doi.org/10.1016/j.microc.2020.104963> (3.594)

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18. K. Rajput, HI Afridi, TG Kazi, FN Talpur, **JA Baig** Evaluate the correlation of electrolytes with biochemical parameters in biological samples of Parkinson’s disease patients at different stages. **Research Square**, (2020), <https://doi.org/10.21203/rs.3.rs-22404/v1>
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