

Produção Técnico-Científica

Trabalhos Completos Publicados em Periódicos

1. ARAÚJO, R.P.A. ; PASCHOAL, C.M.R.B.; SILVÉRIO, P.; ALMEIDA, F. ; RODRIGUES, P.F. ; UMBUZEIRO, G.A. ; JARDIM, W.F. ; MOZETO, A.A . Application of toxicity identification evaluation to sediment in a highly contaminated water reservoir in SE Brazil. *Environmental Toxicology and Chemistry*, Estados Unidos da América, v. 25, n. 2, p. 581-588, 2006.
2. CAMPOS, S. V. ; BARBOUR, E. D. A. ; DIAS, C. L. ; NASCIMENTO, E. S. ; UMBUZEIRO, G.A. Avaliação da atividade mutagênica de amostras de água subterrânea do interior do estado de São Paulo. *Genetics and Molecular Biology*, Ribeirão Preto, v. 28, n. 2, p. 89-89, 2005.
3. FRANÇA D.D; RECH, C. M.; BARROS, S.B.M.; UMBUZEIRO, G.A. Avaliação da atividade mutagênica águas utilizadas para abastecimento público do estado de São Paulo. *Genetics and Molecular Biology*, Ribeirão Preto, v. 28, n. 2, p. 114-114, 2005.
4. OLIVEIRA, D.P.; CARNEIRO, P. A.; RECH, C.M.; ZANONI, M. V. B.; UMBUZEIRO, G. A. Formação de compostos mutagênicos a partir da reação de azocorantes e cloro - um possível novo produto secundário de desinfecção de água. *Genetics and Molecular Biology*, Ribeirão Preto, v. 28, n. 2, p. 148-148, 2005.
5. OLIVEIRA, D. P.; CARNEIRO, P. A. ; RECH, C. M. ; ZANONI, M. V. B. ; UMBUZEIRO, G. A. Generation of mutagenic compounds from the reaction of azo dyes and chlorine during the production of drinking water. In: 9th International Conference on environmental mutagens, São Francisco. 9th International Conference on environmental mutagens Abstracts. Reston: EMS Headquarters. p. 181-181, 2005.
6. OLIVEIRA, D.P.; CARNEIRO, P. A.; RECH, C.M.; ZANONI, M. V. B.; CLAXTON, L. D.; UMBUZEIRO, G.A. Mutagenic Compounds Generated From the Chlorination of Disperse Azo-Dyes and Their Presence in Drinking Water. *Environmental Science & Technology*, v. 40, p. 6682-6689, 2006.
7. OLIVEIRA, D.P.; KUHLMANN, M. ; UMBUZEIRO, G.A. . Evaluation of the presence of mutagenic dyes in sediments from Cristais river. *Soil and Sediment Contamination*, Estados Unidos da América, v. 15, n. 5, p. 455-462, 2006.
8. DI BARI, M.; HACHICH, E.M.; MELO, A.M.J.; SATO, M.I.Z. *Aeromonas* spp and microbial indicators in raw drinking water sources. *Brazilian Journal Microbiology*, v. 38, p.516-21, 2007.
9. GUTIERREZ-CASTILLO, M. E.; ROUBICEK, D.A.; CEBRIAN-GARCIA, M. E.; VIZCAYA-RUIZ, A.; SORDO-CEDENO, M.; OSTROSKY-WEGMAN, P. Effect of chemical composition on the

induction of DNA damage by urban airborne particulate matter. *Environmental and Molecular Mutagenesis*, Estados Unidos da América, v. 46, n. 3, p. 199-211, 2006.

10. KUMMROW, F.; SILVA, F.F.; KUNO, R.; SOUZA, A. L.; OLIVEIRA, P. V. Biomonitoring method for the simultaneous determination of cadmium and lead in whole blood by electrothermal atomic absorption spectrometry for assessment of environmental exposure. *Talanta (Oxford)*, v. 75, p. 246-252, 2008.
11. KUMMROW, F.; MAGALHAES, D. ; FRANCO, A. ; UMBUZEIRO, G.A. Blue rayon e teste Salmonella/microsoma na avaliação da qualidade de águas costeiras. *Revista de Saúde Pública / Journal of Public Health*, São Paulo, v. 40, n. 5, p. 890-897, 2006.
12. KUMMROW, F.; RECH, C.M.; COIMBRÃO, C.A.; UMBUZEIRO, G.A. Blue rayon anchored technique/Salmonella microsome microsuspension assay as a tool to monitor genotoxic polycyclic compounds in Santos estuary. *Mutation Research. Genetic Toxicology and Environmental Mutagenesis*, Holanda, v. 609, n. 1, p-60-67, 2006.
13. KUMMROW, F.; RECH, C.M.; WARREN, S.; UMBUZEIRO, G.A. Avaliação da atividade mutagênica do 3-NBA (3-nitrobenzantrona) utilizando linhagens de *Salmonella typhimurium* com diferentes níveis das enzimas nitroreductase e acetiltransferase. *Genetics and Molecular Biology*, Ribeirão Preto, v. 28, n. 2, p. 141-141, 2005.
14. KUMMROW, F.; UMBUZEIRO, G.A. Uso do blue rayon para extração/concentração de compostos policíclicos em amostras ambientais. *Química Nova*, São Paulo, v. 29, n. 3, p. 528-534, 2006.
15. KUNO, R.; ROQUETTI, M.H.; GOUVEIA, N.C. Concepts and determination of reference values for human biomonitoring of environmental contaminants. *Revista Panamericana de Salud Pública*, vol.27, no.1, p.74-79, 2010.
16. KUNO, R. ; ROQUETTI, M. H. ; UMBUZEIRO, G. A. . Indicadores Biológicos de Exposição: Ocupacional X Ambiental. *InterfacEHS (Ed. português)*, São Paulo, v. 4, p. 5, 2009.
17. LIMA, R.A.; BAZZO, A.P.; SALVADORI, D.M.F.; RECH, C.M. ; OLIVEIRA, D.P.; UMBUZEIRO, G.A. . Mutagenic and carcinogenic potential of a textile azo dye processing plant effluent that impacts a drinking water source. *Mutation Research, Genetic Toxicology and Environmental Mutagenesis*, Holanda,v. 626, p. 53-60, 2007.
18. ORSI, R. H.; STOPPE, N. C.; SATO, M. I. Z.; GOMES, T. A.T.; PRADO,P. I.; MANFIO, G. P.; OTTOBONI, L. M. M. Genetic variability and pathogenicity potential of *Escherichia coli* isolated from recreational water reservoirs. *Research in Microbiology*, Paris, v. 158, p.420– 427, 2007.
19. ORSI, R. H.; STOPPE, N. C.; SATO, M. I. Z.; OTTOBONI, L. M. M. Identification of *Escherichia coli* from groups A, B1, B2 and D in drinking water in Brazil. *Journal of Water and Health*, v. 05, p.323 – 327, 2007.

20. ORSI, R. H.; STOPPE, N. C.; SATO, M. I. Z.; PRADO, P. I.; OTTOBONI, L. M. M. Phylogenetic group distribution among *Escherichia coli* isolated from rivers in São Paulo, Brazil. *World J. Microbiol. Biotechnol.*, v.24, n.3, p.1573-1577, 2008.
21. OSUGI, M.E. ; UMBUZEIRO, G.A.; VIANA, F.C. ; ZANONI, M. V. B. . Photoelectrocatalytic oxidation of Remazol Turquoise Blue and toxicological assessment of its oxidation products. *Journal of Hazardous Materials*, v. B137, p. 871-877, 2006.
22. RAZZOLINI, M.T.P.; DI BARI, M.; SANCHEZ, P.S.; SATO, M.I.Z. *Aeromonas* detection and their toxins from drinking water from reservoirs and drinking fountains. *Journal of Water and Health*, v.6, p.117-123, 2008.
23. RIBEIRO, FM; KUNO, R. New public policy proposal for the management of industrial toxic substances in São Paulo State, Brazil. *Natural Resources Forum*. (aceito para publicação)
24. ROUBICEK, D.A. ; GUTIERREZ-CASTILLO, M. E.; SORDO-CEDENO, M.; CEBRIAN-GARCIA, M. E.; OSTROSKY-WEGMAN, P. Micronuclei induced by airborne particulate matter from Mexico City. *Mutation Research, Genetic Toxicology and Environmental Mutagenesis*, Holanda, v. 631, p. 9-15, 2007.
25. SATO, M.I.Z.; DI BARI, M.; LAMPARELLI, C.C.; TRUZZI, A.C.; COELHO, M.C.L.S.; HACHICH, E.M. Sanitary quality of sands from marine recreational beaches of São Paulo, Brazil. *Brazilian J. Microbiol.*, v.36, p.321-326, 2005.
26. SATO, M. I. Z.; HACHICH, E. M.; RAZZOLINI, M. T. P.; NARDOCCI, A. C. Avaliação de Risco Microbiológico como instrumento na tomada de decisões na área de saneamento. *Microbiologia in Foco*. Outubro de 2009. Sociedade Brasileira de Microbiologia.
27. TSUBOY, M.S., ANGELI, J.P., MANTOVANI, M.S., KNASMÜLLER, S., UMBUZEIRO, G.A., RIBEIRO, L.R. Genotoxic, mutagenic, and cytotoxic effects of the commercial dye CI Disperse Blue 291 in the human hepatic cell line HepG2. *Toxicol In Vitro*. v.21, p. 1650-1655, 2007.
28. UMBUZEIRO, G.A.; FRANCO, A.; MAGALHÃES, D. ; VIANA, F.C.; KUMMROW, F.; RECH, C.M.; CARVALHO, L.R.F.; VASCONCELOS, P.C. A preliminary characterization of the mutagenicity of atmospheric particulate matter collected during sugar cane harvesting using the Salmonella/microsome microsuspension assay. *Environmental and Molecular Mutagenesis*, Estados Unidos da América, v. 49, p. 249-255, 2008.
29. UMBUZEIRO, G.A. ; COIMBRÃO, C.A. ; KUMMROW, F. ; LOBO, D.J.A.; SALDIVA, P.H.N. Mutagenic activity assessment of Cristais river, São Paulo, Brazil, using the Blue Rayon/Salmonella Microsome and the Tradescantia pallida micronuclei assays. *Journal of The Brazilian Society Of Ecotoxicology*, v. 2, p. 163-171, 2007.
30. UMBUZEIRO, G.A.; RECH, C.M.; CORREIA, S.; BERGAMASCO, A.M.; CARDENETTE, G.H.; FLUCKIGER-ISLER, S.; KAMBER, M. Comparison of the Salmonella/microsome microsuspension assay with the new microplate fluctuation protocol for testing the

mutagenicity of environmental samples. *Environmental and Molecular Mutagenesis*, Estados Unidos da América, v. 51, p. 31-38, 2010

31. UMBUZEIRO, G.A.; WARREN, S.; CLAXTON, L. D. The mutation spectra of chlorinated drinking water samples using the base-specific TA7000 strains in *Salmonella* in the microsuspension assay. *Mutation Research. Genetic Toxicology and Environmental Mutagenesis*, Holanda, v. 609, p. 26-33, 2006.
32. UMBUZEIRO, G.A.; KUMMROW, F.; ROUBICEK, D.A.; TOMINAGA, M. Y. Evaluation of the water genotoxicity from Santos Estuary (Brazil) in relation to the sediment contamination and effluent discharges. *Environment International*, v. 32, p. 359-364, 2006.

VALENTE-CAMPOS, S.; DIAS, C.L.; BARBOUR, E.D.A.; NASCIMENTO, E.S. ; UMBUZEIRO, G.A. The introduction of the *Salmonella*/microsome mutagenicity assay in a groundwater monitoring program. *Mutation Research. Genetic Toxicology and Environmental Mutagenesis*, Holanda, v. 675, p. 17-22, 2009.