

RELEVANT PUBLICATIONS

1. GHARRED T, JEBALI J, BELGACEM M, MANNAI R, ACHOUR S. Assessment of the individual and mixture toxicity of cadmium, copper and oxytetracycline, on the embryo-larval development of the sea urchin *Paracentrotus lividus*. **Environmental Science and Pollution Research** (2016) DOI 10.1007/s11356-016-6988-3
2. GHEDIRA J, CHICANO-GÁLVEZ E, FERNÁNDEZ-CISNAL R, JEBALI J, BANNI M, CHOUBA L, BOUSSETTA H, LÓPEZ-BAREA J, ALHAMA J. Using environmental proteomics to assess pollutant response of *Carcinus maenas* along the Tunisian coast. **Science of the Total Environment** 541 (2016) 109–118.
3. GHARRED TA, EZZINE IK, NAIJA A, BOUALI RR, JEBALI J Assessment of toxic interactions between deltamethrin and copper on the fertility and developmental events in the Mediterranean sea urchin, *Paracentrotus lividus*. **Environmental Monitoring and Assessment** (2015); 187(4):193. doi: 10.1007/s10661-015-4407-8. Epub 2015 Mar 20.
4. JEBALI J, CHOUBA L, BANNI M, BOUSSETTA H. Comparative study of the bioaccumulation and elimination of trace metals (Cd, Pb, Zn, Mn and Fe) in the digestive gland, gills and muscle of bivalve *Pinna nobilis* during a field transplant experiment. **Journal of Trace Elements in Medicine and Biology** (2014) 28: 212- 217.
5. JEBALI J, CHICANO-GÁLVEZ E, FERNÁNDEZ-CISNAL R, BANNI M, CHOUBA L, BOUSSETTA H, LÓPEZ-BAREA J, ALHAMA J. Proteomic analysis in caged Mediterranean crab (*Carcinus maenas*) and chemical contaminant exposure in Tébourba Harbour, Tunisia. **Ecotoxicology and Environmental Safety** (2014), 100:15–26.
6. JEBALI J, CHICANO-GÁLVEZ E, BANNI M, GUERBEJ H, BOUSSETTA H, LÓPEZ-BAREA J, ALHAMA J. Biochemical responses in seabream (*Sparus aurata*) caged in-field or exposed to benzo(a)pyrene and paraquat. Characterization of glutathione S-transferases. **Ecotoxicology and Environmental Safety**(2013) 88, 169- 177.
7. JEBALI J, SABBAGH M, BANNI M, KAMEL N, BEN-KHEDHER S, M'HAMDI N, BOUSSETTA H. Multiple biomarkers of pollution effects in *Solea solea* fish on the Tunisia coastline. **Environmental Science and Pollution Research** (2013) 20(6):3812-21.
8. JEBALI J, BEN-KHEDHER S, SABBAGH M, KAMEL N, BANNI M, BOUSSETTA H. Cholinesterase activity as biomarker of neurotoxicity: utility in the assessment of aquatic environment contamination. **Journal of Integrated Coastal Zone Management** (2013), 13(4):525-537.
9. JEBALI J, BANNI M, BEN-KHEDHER S, GUERBEJ H, BOUSSETTA H Biochemical Response of Sea bass *Dicentrarchus labrax* Experimentally Exposed to Nickel and Chlorpyrifos. **Journal of Biomarkers in Drug Development** (2013), 2 (1): <http://dx.doi.org/10.4172/jbdd.1000101>.
10. BEN KHEDHER S, JEBALI J, HOUAS Z, NAWÉLI H, JRAD A, BANNI M AND BOUSSETTA H. Metals bioaccumulation and histopathological biomarkers in *Carcinus maenas* crab from Bizerta lagoon, Tunisia. **Environmental Science and Pollution Research** (2014) 21:4343–4357.

11. BEN-KHEDHER S, JEBALI J, KAMEL N, BANNI M, RAMEH M, JRAD A, BOUSSETTA H. Biochemical effects in crabs (*Carcinus maenas*) and contamination levels in the Bizerta Lagoon: an integrated approach in biomonitoring of marine complex pollution. **Environmental Science and Pollution Research**. (2013) 20(4):2616-31
12. ATTIG H, KAMEL N, SFORZINI S, DAGNINO A, JEBALI J, BOUSSETTA H, VIARENGO A, BANNI M. Effects of thermal stress and nickel exposure on biomarkers responses in *Mytilus galloprovincialis* (Lam). **Marine Environmental Research** (2014), 94: 65-71.
13. KAMEL N, JEBALI J, BANNI M, BEN KHEDHER S, CHOUBAL, BOUSSETTA H. Biochemical Responses and metals levels in *Ruditapes decussatus* after exposure to treated municipal effluents **Ecotoxicology and Environmental Safety**. (2012) 82: 40- 46.
14. JEBALI J, BEN-KHEDHER S, KAMEL N, GHEDIRA J, BOURAOU Z AND BOUSSETTA H. Cholinesterase activity inhibition as biomarker: Partial biochemical characterization and evaluation of response in caged cockle (*Cerastoderma glaucum*). **Aquatic Biology**: (2011), 13: 243–250.
15. JEBALI, J., BEN-KHEDHER, S., GHEDIRA, J., KAMEL, N., BOUSSETTA, H. Integrated assessment of biochemical biomarker responses in Mediterranean crab (*Carcinus maenas*) Collected from Monastir Bay (Tunisia). **Journal of Environmental Sciences**, (2011), 23(10): 1714–1720.
16. GHEDIRA J, JEBALI J, BANNIM, CHOUBAL, BOUSSETTA H, LÓPEZ- BAREA J, ALHAMA J. Use of oxidative stress biomarkers in *Carcinus maenas* to assess littoral zone contamination in Tunisia. **Aquatic Biology**, (2011) 14: 87–98.
17. BANNI M, JEBALI J, GUERBEJ H, DONDERO F, BOUSSETTA H, VIARENGO A. Mixture Toxicity Assessment of Nickel and Chlorpyrifos in the Sea Bass *Dicentrarchus labrax*. **Arch. Environ Contam Toxicol** (2011) 60(1):124-31.
18. TLILI S, JEBALI J, BANNI M, HAOUAS Z, MLAYAH A, HELAL A N, BOUSSETTA H. Multimarker approach analysis in common carp *Cyprinus carpio* sampled from three freshwater sites. **Environmental Monitoring and Assessment** (2010) 168: 285–298.
19. BOURAOU Z, BANNI M, CHOUBAL, GHEDIRA J, CLERANDEAU C, JEBALI J, NARBONNE JF BOUSSETTA H. Monitoring pollution in Tunisian coasts using a scale of classification based on biochemical markers in worms *Nereis* (Hediste) *diversicolor*. **Environ Monit Assess** (2010) 164:691-700.
20. BANNI M, NEGRI A, DAGNINO A, JEBALI J, AMEUR S, BOUSSETTA H. Acute effects of benzo[a]pyrene on digestive gland enzymatic biomarkers and DNA damage on mussel *Mytilus galloprovincialis*. **Ecotoxicology and Environmental Safety** (2010) 73: 842-848.
21. GHEDIRA J, JEBALI J, BOURAOU Z, BANNI M, GUERBEJ H, BOUSSETTA H. Metallothionein and metal levels in liver, gills and kidney of *Sparus aurata* exposed to

- sublethal doses of cadmium and copper. **Fish Physiology and Biochemistry** (2010), **36:101–107**.
22. GHEDIRA J, **JEBALI J**, BOURAOU Z, BANNI M, CHOUBA L, BOUSSETTA H. Acute effects of Chlorpyrifos-Ethyl and secondary treated effluents on Acetylcholinesterase and butyrylcholinesterase activities in *Carcinus maenas*. **Journal of Environmental Sciences** (2009) **21: 1467-72**.
 23. BANNI M, BOURAOU Z, GHEDIRA J, CLEARANDEAU C, **JEBALI J**, BOUSSETTA H. Seasonal variation of oxidative stress biomarkers in clams *Ruditapes decussatus* sampled from Tunisian coastal areas. **Environ Monit Assess** (2009) **155:119-128**.
 24. ATTIG H, DAGNINO A, NEGRI A, **JEBALI J**, BOUSSETTA H, VIARENGO A, DONDERO F, BANNI M. Uptake and biochemical responses of mussels *Mytilus galloprovincialis* exposed to sublethal nickel concentrations. **Ecotoxicology and Environmental Safety** (2010) **73: 1712-1719**
 25. **JEBALI J**, BANNI M, GUERBEJ H, BOUSSETTA H, LÓPEZ-BAREA J, ALHAMA J. Metallothionein induction by Cu, Cd and Hg in *Dicentrarchus labrax* liver: Assessment by RP-HPLC with fluorescence detection and spectrophotometry. **Marine Environmental Research** (2008), **65: 358–363**.
 26. BANNI M, DONDERO F, **JEBALI J**, GUERBEJ H, BOUSSETTA H and VIARENGO A. Assessment of heavy metal contamination using real time PCR analysis of mussel metallothionein mt10 and mt20 expression: a validation along the Tunisian coasts. **Biomarkers**, (2007), **12(4): 369-383**.
 27. **JEBALI J**, BANNI M, ALMEIDA E A, AND BOUSSETTA H. Oxidative DNA damage levels and catalase activity in the clam *Ruditapes decussatus* as pollution biomarkers of Tunisian marine environment. **Environmental Monitoring and Assessment** (2007), **124. 195-200**.
 28. **JEBALI J**, BANNI M, GUERBEJ H, ALMEIDA E A, BANNAOUI A AND BOUSSETTA H. Effects of malathion and cadmium on acetylcholinesterase activity and metallothionein levels in the fish *Seriola dumerilli*. **Fish Physiology and Biochemistry** (2006), **32: 93-98**.
 29. BANNI M, **JEBALI J**, DAUBEZE M., CLERANDEAU C., GUERBEJ H., NARBONNE JF and BOUSSETTA H. Monitoring pollution in Tunisian coasts: Application of a classification scale based on biochemical markers. **Biomarkers** (2005), **10 (2-3): 105-116**.

BOOK CHAPTERS

1. **JEBALI J**, BANNI M, AND BOUSSETTA H (2012) Biochemical Biomarkers in Aquatic Ecotoxicology: Fundamental Mechanisms, Application, and Perspectives. In *Advances in Environmental Research*. Volume 23. NOVA Science Publishers, Inc; ISBN: 978-1-62100-837-8.
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2. ALHAMA J, ROMERO-RUIZ A, **JEBALI J**, LOPEZ-BAREA J (2010) Total metallothionein quantification by reversed phase high performance liquid chromatography coupled to fluorescence detection after monobromobimane derivatization. In Cadmium in the environment. NOVA Science Publishers, Inc; ISBN:978-1-60741-934-1-2010.
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