

**Allegato alla domanda di partecipazione
Curriculum formativo, didattico, scientifico e professionale del candidato**

Dichiarazione sostitutiva di certificazioni

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

Dichiarazione sostitutiva dell'atto di notorietà

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)

(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	Rinnovo contratto per assegni di ricerca - Tipo B - Assegni su altri fondi L. 240/2010 - (D.R. n. 77 del 14.02.2018). Titolo del Progetto: "Nuovi strumenti per il monitoraggio di composti chimici in ambienti acquatici nel quadro della legislazione europea" - Area: 06 - Scienze mediche - 06/M1 - Igiene generale e applicata, scienze infermieristiche e statistica medica SSD: MED/42 – Responsabile Scientifico: Prof. Marco Schintu.
Informazioni aggiornate al	19/04/2021
Nome e Cognome	NATALIA MONTERO RUIZ
Data di nascita	07/11/1982

Si raccomanda di indicare con precisione tutti gli elementi valutabili ai sensi del bando di selezione (aggiungere o togliere righe secondo necessità).

Esperienza professionale

Periodo	Ente	Principali attività e responsabilità
2018-2021	Università degli Studi di Cagliari	Assegnista di ricerca, Titolo: "Nuovi strumenti per il monitoraggio di composti chimici in ambienti acquatici nel quadro della legislazione europea"
2015-2018	Ikerbasque (Spain)/ University of Queensland (Australia)/ AZTI-Tecnalia (Spain)	Preparation and extraction of passive samplers for non-polar and polar compounds; Solid-phase extraction of water samples; Development and testing of passive samplers for the measurement of glyphosate; Determination of the uncertainty of passive samplers and spot sampling for the measurement of pesticides in estuaries; Application of passive samplers for organic compounds in marine monitoring networks.
2009-2014	University of the Basque Country (Spain)/Azti-Tecnalia (Spain)	Field campaigns: sampling of waters, sediments, passive samplers and organisms (amphipods and sea-urchins) to perform laboratory toxicity assays; Laboratory: performance of toxicity bioassays with amphipods and sea-urchin larvae and TIE techniques and extraction of passive samplers.
2008-2009	Foundation of Technological Centers of the Basque Country, Iñaki Goenaga (Spain)/Azti-Tecnalia	Passive samplers and bioassays (amphipods and sea-urchins)
2007-2008	University of the Basque Country	Analysis of physiological, biochemical and

	(Spain), the University of Southampton (UK) and the University of Bordeaux 1 (France)	transcriptomic responses in cockles (<i>Cerastoderma edule</i>) and in oysters (<i>Crassostrea gigas</i>), after exposure to contaminants.
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Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)

Data	Titolo / Principali tematiche	Ente
18/09/2014	Ph.D. in Environmental Chemistry and Toxicology	University of the Basque Country (Spain) Azti-Tecnalia (Spain)
2008-2009	Training, Specialization and Technological Development Scholarship: Monitoring	Foundation of Technological Centers of the Basque Country, Iñaki Goenaga (Spain)/Azti-Tecnalia
2006-2008	European MSc in Marine Environment and Resources	University of the Basque Country (Spain), the University of Southampton (UK) and the University of Bordeaux 1 (France)
2005-2006	Postgraduate Teacher Certification Program	Complutense University of Madrid
2000-2005	Bachelor Degree in Biology	University of the Basque Country (Spain)
2017	PADI Diving Certificate	PADI, Queensland (Australia)
2012	French: Certificate of Intermediate Level (B1) in French	Official Language School (Spain)
2006	Certificate of Advanced English (C1)	Official Language School (Spain)

Publicazioni / Convegni

<p>Publicazioni: Rodríguez J.G., Amouroux I., Belzunce-Segarra M.J., Bersuder P., Bolam T., Caetano M., Carvalho I., Correia dos Santos M.M., Fones G.R., Gonzalez J-L., Guesdon S., Larreta J., Marras B., McHugh B., Menet-Nédélec F., Menchaca I., Millán Gabet V., Montero N., Nolan M., Regan F., Robinson C.D., Rosa N., Rodrigo Sanz M., Schintu M., White B., Zhagn H., 2021. Assessing variability in the ratio of metal concentrations measured by DGT-type passive samplers and spot sampling in European seawaters. <i>Science of the Total Environment</i> 783, 147001.</p>
<p>Publicazioni: Sanna C., Marras L., Desogus A., Marras B., Montero N., Bertolino G., Schintu M., Coroneo V., 2021. Evaluation of <i>Rhodotorula</i> spp. contamination in hospital environments. <i>Environmental Monitoring and Assessment</i> 193:152.</p>
<p>Publicazioni: Marras B., Montero N., Marrucci A., Bettoschi A., Atzori M., Schintu M., 2020. Operational DGT threshold values for metals in seawater from protected coastal areas in Sardinia (Western Mediterranean). <i>Marine Pollution Bulletin</i> 150, 110692.</p>
<p>Publicazioni: Belzunce-Segarra M.J., Montero N., Rodríguez J.G., Menchaca I., Franco J., Larreta J., Caetano M., Rosa N.F., Millán V., Rodrigo M., Robinson C.D., Scurfield J., dos Santos M.C., Carvalho I., Regan F., White B., Amouroux I., Gonzalez J-L., Schintu M., 2019. 'New tools for monitoring the chemical status in transitional and coastal waters under the Water Framework Directive'. In: <i>Protection and Management of Water in the Present World</i>. Dykinson Editorial's book, Madrid, 200 pp.</p>
<p>Publicazione Convegno: Regan F., White B., Nolan M., Amouroux I., Gonzalez J-L., Guesdon S., Belzunce-Segarra M.J., Franco J., Menchaca I., Bersuder P., Bolam T., Bettoschi A., Marras B., Montero N., Schintu M., Catenao M., Rosa N., Carvalho I., dos Santos M., Mchugh B., Merkel D., Millán V., Rodrigo M., Perceval O., Robinson C.D., 2019. Passive sampling techniques for monitoring metals in transitional and coastal waters in the Atlantic region. DOI: 10.1109/OCEANSE.2019.8867564</p>
<p>Publicazioni: Montero N., Fauvelle V., Banks A., Kaserzon S., Mueller J.F., 2019. Glyphosate</p>

herbicide: is it as safe as we thought? <i>Austral Ecology</i> 44(1), 168-172.
Publicazioni: Fauvelle V., Montero N., Mueller J.F., Banks A., Mazzella N., Kaserzon S.L., 2017. Glyphosate and AMPA passive sampling in freshwater using a microporous polyethylene diffusion sampler. <i>Chemosphere</i> 188, 241-248
Publicazioni: Fauvelle V., Kaserzon S.L., Montero N., Lissalde S., Allan I.J., Mills G.A., Mazzella N., Mueller J.F., Booij K., 2017. Dealing with Flow Effects on the Uptake of Polar Compounds by Passive Samplers. <i>Environmental Science & Technology</i> 51 (5), 2536-2537.
Publicazioni: Dabrin A., Ghestem J.-P., Uher E., Gonzalez J.-L., Allan I., Schintu M., Montero N., Balaam J., Peinerud E., Mierge C., Coquery M., 2016. Metal measurement in aquatic environments by passive sampling methods: Lessons learning from an in situ intercomparison exercise. <i>Environmental Pollution</i> 208, 299-308.
Publicazioni: Zorita I., Larreta J., Montero N., Rodriguez J.G., Franco J., Borja A., 2015. Evaluation of the use of bioaccumulation and biological effects tools in caged mussels, within the European Water Framework Directive. <i>Chemistry and Ecology</i> 31:5, 432-445.
Publicazioni: Montero N., Belzunce-Segarra M.J., Menchaca I., Garmendia J.M., Franco J., Nieto O., Etxebarria, N., 2013c. Integrative sediment assessment at Atlantic Spanish harbours by means of chemical and ecotoxicological tools. <i>Environmental Monitoring and Assessment</i> 185, 1305–1318.
Publicazioni: Montero N., Belzunce-Segarra M.J., Gonzalez J.-L., Menchaca I., Garmendia J.M., Etxebarria N., Nieto Ó., Franco J., 2013b. Application of Toxicity Identification Evaluation (TIE) procedures for the characterization and management of dredged harbor sediments. <i>Marine Pollution Bulletin</i> 71, 259-268.
Publicazioni: Montero N., Belzunce-Segarra M.J., Del Campo A., Garmendia J.M., Ferrer L., Larreta J., González M., Maidana A., Espino M., 2013a. Integrative environmental assessment of the impact of Pasaia harbour activities on the Oiartzun estuary (southeastern Bay of Biscay). <i>Journal of Marine Systems</i> 109–110, S252–S260.
Publicazioni: Paul-Pont I., Gonzalez P., Montero N., de Montaudouin X., Baudrimont M., 2012. Cloning, characterization and gene expression of a metallothionein isoform in the edible cockle <i>Cerastoderma edule</i> after cadmium or mercury exposure. <i>Ecotoxicology and Environmental Safety</i> 75(1):119-26.
Publicazioni: Montero N., Belzunce-Segarra M.J., Gonzalez J.-L., Larreta J., Franco J., 2012. Evaluation of Diffusive Gradients in Thin-Films (DGTs) as a monitoring tool for the assessment of the chemical status of transitional waters within the Water Framework Directive. <i>Marine Pollution Bulletin</i> 64, 31-39.
Publicazioni: Belzunce-Segarra M.J., Montero N., Gonzalez J.-L., Larreta J., Franco J., Borja A., 2012. Advantages of using passive samplers in comparison with spot sampling for metal evaluation in estuarine waters: an example from the Bay of Biscay (North-eastern Spain). In: Nriagu J, Pacyna J, Szefer P, Markert B, Wuenschmann S, Namiesnik J (eds) <i>Heavy metals in the environment</i> . Maralte B.V., Voorschoten, pp 77-90.
Publicazioni: Menchaca I., Belzunce M.J., Franco J., Garmendia J.M., Montero N., Revilla M., 2010. Sensitivity comparison of laboratory-cultured and field-collected amphipod <i>Corophium multisetosum</i> in toxicity tests. <i>Bulletin of Environmental Contamination and Toxicology</i> 84(4):390-4.
Presentazione orale: N. Montero , B. Marras, M. Schintu. ‘Valutazione integrata del rischio ambientale nei porti pilota italiani e francesi del progetto SEDRIPORT’. Capitalizzazione progetti Interreg Marittimo Italia-Francia, dicembre 2020, Livorno.
Presentazione orale: N. Montero, B. Marras, M. Schintu. ‘Aplicación de muestreadores pasivos para la gestión ambiental en recintos portuarios’. Jornadas de difusión MONITOOL, marzo 2020, Donostia.
Presentazione orale: B. Marras, N. Montero, A. Marrucci, A. Bettoschi, M. Atzori, C. Sanna, M. Schintu. ‘Operational DGT-threshold values for trace metals in coastal areas of the Western

Mediterranean'. DGT Conference, settembre 2019, Vienna.
Presentazione orale: M.J. Belzunce-Segarra, N. Montero, J. Franco, J. Larreta, I. Menchaca, G. Rodríguez, I. Amouroux, P. Bersuder, A. Bettoschi, T. Bolam, M. Caetano, I. Carvalho, J. Gonzalez, B. Marras, V. Millán Gabet, M. Nolan, M. Portela Correia dos Santos Romao, F. Regan, M. Rodrigo Sanz, N. Rosa, M. Schintu, B. White. 'High-frequency spot sampling versus passive sampling: steps towards the acceptance of DGTs for regulatory monitoring. Case study in two estuaries of the Basque Coast'. DGT Conference, settembre 2019, Vienna.
Poster: N. Montero, M.J. Belzunce, M. Schintu, A. Marrucci, C. Frangoulis, M. Ntoumas, A. Kalampokis, G. Petihakis, L. Perivoliotis, F. Smedes, J. Sobotka, R. Prokeš, B. Vrana, B. Marras, A. Bettoschi, M. Pettas, M. Tsapakis, I. Kalantzi, K. Mylona. 'Monitoring of organic contaminants by passive samplers in Southern Europe coastal areas: MONICOAST Project'. Jerico-Next Workshop, luglio 2019, Brest (Francia).
Presentazione orale: M.J. Belzunce, N. Montero. 'MONITOOL Project: New tools for monitoring the chemical status in transitional and coastal waters under the WFD'. Sedriport & Monitool Conference, giugno 2019, Cagliari.
Presentazione orale: I. Menchaca, B. White, I. Amouroux, M.J. Belzunce, P. Bersuder, A. Bettoschi, T. Bolam, M. Caetano, I. Carvalho, M. Portela Correia dos Santos Romao, J. Franco, J-L. Gonzalez, S. Guesdon, J. Larreta, B. Marras, B. McHugh, D. Merkel, V. Millán Gabet, N. Montero, M. Nolan, O. Perceval, F. Regan, C. Robinson, M. Rodrigo Sanz, G. Rodriguez, N. Rosa, M. Schintu. 'MONITOOL: new tools for monitoring the chemical status in transitional and coastal waters under the Water Framework Directive'. SETAC, maggio 2019, Helsinki.
Poster: M. Schintu, A. Marrucci, B. Marras, A. Bettoschi, N. Montero. 'FerryBox system equipped with a passive sampling unit for micropollutants: a case study in the western Mediterranean'. 9th FerryBox Workshop, aprile 2019, Genoa.
Presentazione orale: 'Integrative assessment of an estuarine system: hydrodynamical, chemical and ecotoxicological approach. An example in Pasaia Harbour (Northeastern Spain)'. Montero N., Menchaca I., Belzunce M.J., Del Campo A., Espino M., Ferrer L., Franco J., Garmendia J.M., González M., Larreta J., Mader J., Maidana M.A. 8th Biannual ECotoxicology MEeting (BECOME 2018), November 2018, Livorno (Italia).
Presentazione orale: 'Il campionamento passivo nel contesto europeo: il Progetto INTERREG Atlantico MONITOOL'. Bettoschi A., Montero N. Sedriport & EC Day Conference, September 2018, Cagliari (Italy).
Presentazione orale: 'Monitoring of organic contaminants by passive samplers in Southern Europe coastal areas: MONICOAST Project'. Montero N., Belzunce M.J., Marrucci A., Schintu M., Frangoulis C., Ntoumas M., Kalampokis A., Petihakis G., Perivoliotis L. Jerico-Next Workshop, September 2018, Galway (Ireland).
Presentazione orale: 'MONITOOL: new tools for monitoring the chemical status in transitional and coastal waters under the Water Framework Directive'. Rodriguez J.G., Belzunce-Segarra M.J., Montero N., Menchaca I., Franco J. International Symposium on Marine Sciences (ISMS), June 2018, Vigo (Spain).
Presentazione orale: 'High-frequency measurements monitoring of metal contamination in a Spanish estuary: steps towards the acceptance of passive samplers for regulatory monitoring'. Belzunce-Segarra M.J., Montero N., Reim L., Schintu M., Marras B., Cobelo A., Menchaca I., Franco J., Larreta J., Rodriguez J.G. Seminario Ibérico de Química Marina (SIQUIMAR), June 2018, Vigo (Spain).
Presentazione orale: 'Distribution of trace metals, polar and non-polar compounds using DGT, POCIS and silicon rubber in freshwater reservoirs in Sardinia (Italy)'. Bettoschi A., Marrucci A., Marras B., Atzori M., Montero N., Pudda M., Schintu M. International Passive Sampling Workshop (IPSW), May 2018, Dublin (Ireland).
Presentazione orale: 'Monitoring of priority and emerging substances by means of a suite of passive

samplers (DGTs, SR and POCIS) to comply with European'. Marrucci A., Montero N., Schintu M., Reim L., Marras B., Atzori M., Bettoschi A., Franco J., Belzunce M.J. International Passive Sampling Workshop (IPSW), May 2018, Dublin (Ireland).
Presentazione orale: 'DGTs development: from research to legislation'. Montero N. International Passive Sampling Workshop (IPSW) Satellite Event, May 2018, Dublin (Ireland).

Altre attività scientifiche

Partecipazione a diversi progetti di ricerca e consulenza:
Interreg Mediterraneo Italia-Francia Progetto AER NOSTRUM: Aria Bene Comune, 2020-2023
Interreg Mediterraneo Italia-Francia Progetto SEDRIPORT: Sedimenti, Dragaggi e Rischi PORTuali, 2018-2020
Interreg Atlantic MONITOOL Project: New tools for monitoring the chemical status in transitional and coastal waters under the WFD, 2017-2020
Jerico-Next TNA-Call: Monitoring of organic contaminants by passive samplers in the Southern Europe coastal areas (MONICOAST), 2017-2018.
NSW DPI Water: Monitoring program for PAHs using silicone passive sampling devices, 2016.
SEQWater: Catchment and Drinking Water Quality Micro Pollutant Monitoring Program- Passive Sampling, 2015-2016.
Euskadi-Aquitania: Application of complementary methods to establish the labile metal concentration and its biological effects in harbors and estuaries. Euskadi-Aquitania Cooperation Common Fund, 2012-2013.
URA: Application of passive samplers for the evaluation of the chemical status of transitional and coastal waters. Water Agency of the Basque Country, biannual projects for the 2009-2012 period.
Modeltox: Development of tools for the environmental management in harbor areas of the Basque Country. Department of industry, Innovation, Commerce and Tourism of the Basque Government, 2008/2009
Sediport: Integrative assessment of pollution in harbor sediments by chemical, biochemical and ecotoxicological tools. Spanish Ministry of Science and Innovation, Project CTM2006-13880-C03-01/02/03, 2006-2008

Ulteriori informazioni pertinenti

Lingue: Inglese (C1), Spagnolo (madrelingua), francese (B1), lingua basca (C1)
Open Water Diver (PADI) certification; 2017 (Australia)
Bioman (May 2008): Oceanographical campaign for the evaluation of the biomass of the European anchovy (<i>Engraulis encrasicolus</i>) in the Bay of Biscay

Luogo, data e firma