

CURRICULUM VITAE

PERSONAL INFORMATION

Family name, First name: **Mojtahid Meryem**
Researcher unique identifier(s): **D-2636-2014**
Date of birth: **28/07/1981**
Nationality: **Moroccan/French**



EDUCATION

07/2018 HDR (habilitation thesis to supervise research) Defense: *"The role played by foraminifera in documenting past climates"*
11/2007 PhD in Oceanic Environments and Paleoenvironments *"Benthic foraminifera: bio-indicators of natural and anthropogenic eutrophication in open marine environments"*
06/2004 MSc in Oceanography and Paleoceanography. University of Bordeaux, France.

CURRENT POSITION(S)

Since 09/2010 Associate professor at University of Angers, in the Research Unit UMR6112 LPG-BIAF

PREVIOUS POSITIONS

2009 – 2010 Post-doctoral researcher. NOC–National Oceanography Centre, Southampton, UK - Marie Curie Fellowship (FP7-PEOPLE-IEF-2008)
2008 – 2009 Assistant professor (ATER) - Faculty of Sciences, University of Angers. I spent the teaching part of the contract in the Geology Department in Angers (09 to 12/08). I spent the research part in two institutes in Australia:
- From 01 to 04/09: ANU–Australian National University, Canberra, Australia - Supervisor: Prof. Patrick De Deckker.
- From 05 to 08/09: JCU–James Cook University, Cairns, Australia - Supervisor: Michael Bird.
2007– 2008 Assistant professor (ATER)
Faculty of Sciences, Geology Department, University of Angers, France.
2004– 2007 Assistant lecturer (monitorat) during PhD training
Faculty of Sciences, Geology Department, University of Angers, France.

FELLOWSHIPS, AWARDS and RESEARCH LEAVES

2021 National promotion to the rank *"Maître de Conférences Hors Classe"*
Since 2020 Beneficiary of the national French research and doctoral supervision grant (PEDR A)
2020 Award winner of the 2020 North-South Prize of the Council of Europe as a member of the MedECC network
07/18 Award winner of "Rising Star" initiative for science of the Pays de la Loire Region
01 to 08/18 I obtained a research Leave (CET) from the University of Angers that allows a half teaching charge for 2017/2018.
01 to 08/14 I obtained a research Leave (CRCT) from Universities National Council (CNU) that allows a half teaching charge for 2013/2014.
2014 Beneficiary of the Research and doctoral supervision grant PEDR
19/12/2008 Marie-Curie fellowship (FP7-PEOPLE-IEF-2008). Title: *Linking foraminiferal diets and shell chemistry: an experimental approach to improving paleoceanography proxies.*
NOC–National Oceanography Centre, Southampton, UK.
2008 Award winner of Alexander von Humboldt Foundation. Title: *Ultra structural changes and trace element/isotope partitioning in calcifying organisms (Foraminifera, Ostracods).* AWI–Alfred-Wegener Institute for polar and marine research, Bremerhaven, Germany.

SUPERVISION OF GRADUATE STUDENTS, PhDs AND POSTDOCS

- 2019 – 2020 Post-doc: S. Le Houedec on the “Teleconnections between the main modes of climatic variability between the Northeast Atlantic and Mediterranean basins during the Holocene”, LPG-BIAF–UMR6112
- 2023 – 2026 PhD: W. Hamzaoui on the “Study of climate extreme events during the late Holocene from sedimentary archives of the lagoon complexes of GHar el Melh (Northern Tunisia)”, LPG–UMR6112.
- 2019 – 2022 PhD: P. Dupuydt on the “Temporal and spatial reconstructions of intermediate water masses in the Bay of Biscay and along the Iberian margin during the last climatic cycle”, LPG–UMR6112.
- 2018 – 2021 PhD: E. Fossile on the “Marine bio-indicators of Arctic freeze/thaw Cycles: Storfjorden and Kongsfjorden as Climate change key zones”, LPG-BIAF–UMR6112.
- 2014 – 2017 PhD: M. Durand on the “From estuary to ocean: local and global forcings and the dynamics of the Loire since the Mid- Holocene”, LPG-BIAF–UMR6112.
- 2011 – 2015 PhD: C. Caulle on the “Benthic Foraminifera from the Minimum Oxygen Zone of the Arabian Sea (Indian Ocean): Developing a paleoxygenation proxy”, LPG-BIAF–UMR6112.
- 2010 – 2013 PhD: J. Garcia, on the “Holocene records in the southeastern Bay of Biscay: Global vs regional climate signals”, LPG-BIAF–UMR6112.
- 02 to 06/2023 MSc: A. Faitout, on “The late Holocene sediments under the influence of the Loire River”, University of Rennes/LPG-UMR6112.
- 02 to 06/2023 MSc: A. Mousnier, on “Historical evolution of benthic foraminiferal faunas in response to the impact of trawling in the Gulf of Lion”, University of Montpellier/LPG-UMR6112.
- 02 to 06/2022 MSc: A. Serre, on “Micropaleontological study: Influence of the Heinrich stadials on the intermediate water masses of the Iberian margin”. University of Aix-Marseille/LPG- UMR6112.
- 02 to 06/2020 MSc: S. Santoni, on “Benthic foraminiferal communities from a Holocene core from the Kongsfjorden (Svalbard)”, University of Rennes/LPG-BIAF–UMR6112.
- 02 to 06/2020 MSc: F. Rihani, on “Culture experiment of deep-sea benthic foraminifera: Sr/Ca as a proxy of the marine carbonate system”, University of Brest/LPG-BIAF–UMR6112.
- 02 to 06/2019 MSc: P. Dupuydt, on “Benthic foraminiferal response to the past 50 kyrs climatic changes as recorded in the southern Australian margin”, University of Rennes/LPG-BIAF–UMR6112.
- 02 to 06/2019 MSc: F. Bouhdayad, on “Holocene variability of the western Mediterranean traced by benthic foraminiferal assemblages and stable isotopes from the Var turbiditic system”, University of Perpignan/LPG-BIAF–UMR6112.
- 02 to 06/2018 MSc: M. Demol, on “Benthic foraminiferal response to brine formation under arctic ice in Storfjorden (Norway); Cruise Step17”, University of Nantes/LPG-BIAF–UMR6112.
- 02 to 06/2017 MSc: A. Jouini, on “Benthic foraminiferal response to brine formation under arctic ice in Storfjorden (Norway); Cruise Step16”, University of Perpignan/LPG-BIAF–UMR6112.
- 02 to 06/2016 MSc: P.-O. Coste, on “High resolution study of benthic foraminifera from the northern Bay of Biscay over the past 7000 years”, University of Brest/LPG-BIAF–UMR6112.
- 02 to 06/2015 MSc: M. Tribondeau, on “Distribution and geochemistry of benthic foraminifera in sediments of the Bay of Biscay”, Université Paris Sud XI/LPG-BIAF–UMR6112.
- 01 to 06/2015 MSc: G. Justine, on “15000 years of palaeoenvironmental and paleoceanographic reconstitution of northern Scotland based on benthic foraminifera”, Université de Nantes/LPG-BIAF–UMR6112.
- 01 to 06/2014 MSc: M. Durand, on “Benthic foraminiferal characterization for determining the origin of turbidites. Ecuador Margin”, University of Rennes 1/UMR6118 CNRS Géosciences.
- 02 to 06/2014 MSc: R. Fentimen, on “High resolution study of the Last Glacial Maximum off the ‘Manche’ palaeoriver”, University of Angers/LPG-BIAF–UMR6112.
- 01 to 06/2013 MSc: R. Manceau “High resolution study of planktic foraminifera from the Nile prodelta over the past 13 ka”, LPG-BIAF–UMR6112.
- 01 to 06/2013 MSc: L. Zozzolo “Spatial distribution of live benthic foraminifera in the Loire estuary: towards the development of a biotic index”, LPG-BIAF–UMR6112.
- 04 to 05/2006 MSc: A. Pillet “Benthic ecosystem of Loch Etive: the use of benthic foraminifera as bio-indicators of the impact of aquaculture activity”, LPG-BIAF–UMR6112.

TEACHING ACTIVITIES

Since 2004	I taught a total of 2700 h as Associate and Assistant Professor and Teaching Assistant
Degrees	Undergraduate to MSc degrees
Teaching units	External and internal earth geodynamics, climatology and paleoclimatology, paleontology and micropaleontology, biostratigraphy, sedimentology, earth history, petrography and mapping, marine ecosystem bio-monitoring.
Institution	All my teaching took place in the Geology Department, University of Angers, France.

ORGANISATION OF SCIENTIFIC MEETINGS

06/2016	Organizer of the international conference: TMS Foraminifera and Nannofossil Groups, Joint Spring Meeting 2016, held at University of Angers. This conference was a great success. We received over 140 participants from 17 different nationalities. My role was to manage a team of volunteers, to deal with all administrative (accounting, search for sponsors, registrations, invoice and certificate management ...), scientific (organization of sessions and presentations, reception abstracts, selection of presentations and posters ...) and general public communication aspects (press releases, educational video ...). This work required nearly 3 month's full time.
05/2013	Member of the organizing committee of the PhD student day, University of Angers, France.
01/2011	AERES « <i>Agence d'Evaluation de la Recherche et de l'Enseignement supérieur</i> » meeting, Nantes, France. ➤ I made a movie presenting the research held at the LPG-BIAF laboratory. This video is used in various occasions to introduce the research in our laboratory.
06/2007	Organization Committee member of TMS Foraminifera and Nannofossil Groups. Joint Spring Meeting, June 2007, Angers, France.
Since 2010	Organization of several scientific meetings in the course of the different projects I am leading and before PhD and HDR defenses.

SCIENTIFIC ANIMATION AND DISSEMINATION

11/2020	Co-chairman of the session "Climate and ocean dynamics of the Atlantic basin at all timescales" in the conference Climat et Impacts, November 2020 in Paris Orsay.
2020	Participation in the organization of the 6-month exhibition on foraminifera at the museum of natural history of Angers starting in October 2020.
08/2018	During a sampling cruise in the Arctic in Kongsfjorden (Svalbard Archipelago), I organized a day of participatory science aboard a sailboat carrying tourists. This adventure was published in the daily Ouest France: https://www.ouest-france.fr/economie/economie-de-la-mer/economie-de-la-mer-chercheuses-au-svalbard-bord-de-l-aztec-lady-5983409
01/2017	Invited public conference speaker at the Angers Municipal Institute. During this one-hour conference, I introduced the public to the history of Earth's climate over the past two million years.
10/2016	Co-chairman of the session (Holocene and Quaternary changes) with Christophe Colin (IDES, University Paris Sud XI) held during the 26 th edition of the Meeting of Earth Sciences 2016 (Caen, France). In the same theme of TANDEM, this session focused on climate oscillations at decadal to millennial scales, the response to external forcing (orbital variations, solar cycles, volcanism), and the role of the ocean (internal forcing) and ocean-atmosphere coupling.
2016	Following the accomplishment of the two main projects on the Loire estuary (RS2E and SEMHABEL) initiated in 2012, we proposed with my colleague E. Metzger (LPG-BIAF, University of Angers) a special issue in the Journal of Sea Research on the recent and past evolution of sedimentary, biogeochemical and benthic ecosystems in the Loire estuary. These two major scientific projects brought together about twenty researchers from different disciplines (biology, geology, chemistry, sedimentology and biogeochemistry) who managed to produce a large dataset giving 9 publications for this special issue. With my colleagues E. Metzger (LPG-BIAF, University of Angers) and P. Anschutz (EPOC, University of Bordeaux), we animated the special issue as guest editors.

Since 2010 Yearly active participation in the animation of wide audience scientific events such as the night of researchers, the science festival, the open doors of the University of Angers and orientation forums.

INSTITUTIONAL RESPONSIBILITIES

Since 2019 Head of the Geology Department (UA)
 Since 2019 Elected member of the Research Committee and the Academic Council of UA
 Since 2019 Member of the working group of the "Thélème" UA project for an innovative teaching
 Since 2018 Co-responsible for the construction of a new Master program in UA starting in 2022
 Since 2017 Member of the selection jury for PhD applicants for the "Mer et Littoral" doctoral school
 Since 2015 Member of master's jury selection and evaluation (University of Rennes-UA)
 Since 2013 6-times selection committee member for associate professor positions in French universities
 2012 - 2015 Member of the scientific council of the UMR CNRS 6112 LPG
 2010 - 2015 Responsible for the first undergraduate year teaching, Geology Department, UA.

REVIEWING ACTIVITIES

2019-2020 Examiner/reviewer of four PhD dissertations
 2019-2020 Reviewer of three national INSU (National Institute of Universe Sciences) projects and one FOF (French Oceanographic Fleet) project
 Since 2010 Over 33 reviewed papers in international peer-reviewed scientific journals

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

Since 2018 Member of the MedECC network. Mediterranean Experts on Climate and Environmental Change (MEDECC) assessment report on the current state and risks of climate change (<http://www.medecc.org/?p=1818>). Lead Author in the "Ecosystems: past and present marine and coastal ecosystems" chapter.
 Since 2017 Editorial board member of the international journal "Revue de micropaléontologie"
 2016 Guest editor in Journal of Sea Research – special issue on the Loire estuary

MAJOR COLLABORATIONS

P. De Deckker (Australian National University): foraminifera from south Australia; **F. Eynaud** (Bordeaux University): Quaternary records from the NE Atlantic; **G. de Lange** (Utrecht University): foraminifera in the Mediterranean; **A. El Rahman Hassoun** (CNRS, Lebanon): ocean acidification in the Mediterranean; **W. Gray** (LSCE, France), **C. Barras** and **A. Mouret** (UA): controlled-laboratory experiments; **B. Hoogakker** (Heriot Watt University, Scotland): I/Ca ratio as a proxy of oxygen; **K. Husum** (The Norwegian Polar Institute): Arctic foraminifera; **D. Liebrand** (NOC, Southampton): cross-coherence analyses; **E. Michel** and **C. Waelbroeck** (LSCE, France): oxygen and carbon stable isotopes; **A. Penaud** (Brest University): Holocene records from the Bay of Biscay; **G. J. Reichert**, and **R. Hennekam** (NIOZ, The Netherlands): El/Ca ratios on foraminifera from the Mediterranean and Arabian Seas; **G. Schmidt** and **A. Le Grande** (NASA GISS, New York): Holocene CGM model; **M. Schweizer** (UA) and **J. Pawlowski** (University of Geneva): ancient DNA; **M. Snoussi** (Mohammed V University, Morocco): estuarine cores from the Moroccan Atlantic margin; **S. Toucanne** (IFREMER, France): XRF data and ¹⁴C dating.

TRACK-RECORD

Funded grants				
Project Title	Funding source	(k€)	Period	Role
CHARM1-Mozambique (Climate of the Holocene recorded in major River Mudbelts: Case study from the Mozambique shelf)	French Fleet Commission	15 days Ship-Time	2024-2026	PI

REFUGE-ARCTIC (The Lincoln Sea, the last refuge of the changing Arctic Ocean). PI : M. Ardyna (CNRS, Univ. Laval, Québec)	France-Canada Fleet Commission/ Université de Laval / Ifremer Agreement	56 days Ship-Time	2024	Expertise in foraminifera in paleorecords
REFUGE-ARCTIC (The Lincoln Sea, the last refuge of the changing Arctic Ocean). PI : M. Ardyna (CNRS, Univ. Laval, Québec)	BNP-Paribas “Climate & Biodiversity Initiative”	704	2023-2025	Expertise in foraminifera in paleorecords
SPOC (El Niño et le système d'upwelling péruvien, des origines cénozoïques aux changements anthropiques). PI : M. Carré (CNRS, LOCEAN, Paris)	CNRS - International Research Project (IRP)	75	2022-2026	Expertise in foraminiferal-based proxies and paleorecords
OXYMORE - REBELRED (Hypoxia episodes in the Loire estuary). PIs: E. Metzger et G. Maillet (UA)	LIFE Integrated projects	568	2021-2027	Development of new paleo-oxygenation proxies
TRESSE (Morphosedimentary trajectory of French estuaries since the Little Ice Age (LIA). Impact of climate and humans). PI: B. Tessier (CNRS, M2C, Caen)	French Biodiversity Office (OFB)	104	2021-2023	Expertise in the paleoenvironments of the Loire estuary
IMPEC (Impact of fishing on offshore benthic ecosystems). PI: C. Barras (UA)	French Biodiversity Office (OFB)	150	2021-23	Historical records
ECO-FOR (Calibration culture study in Ecolabs)	ECOTRON-CEREPEP	12	2020	PI
KONBHAS (Climate Change in Kongsfjorden). PI. A. Baltzer (Nantes Univ.)	French Polar Institute Paul-Emile Victor	90	2020-2024	Paleostudy
STING (spatio-temporal reconstructions of intermediate water masses in the Bay of Biscay and along the Iberian margin during the last climatic cycle)	LEFE-IMAGO-CYBER	38	2019-2021	PI
TANDEM (Teleconnexions between the main modes of internal climatic variability of the NE Atlantic and the Mediterranean)	Région Pays de la Loire Call “Rising stars”	136	2019-2022	PI
ARCTICORE (Study of climate change in the last millennia in the Arctic: Paleoreconstitution and recent anthropogenic impact)	OSUNA – AO 2019	4.8	2018-2019	PI
KING (Kongsfjorden Ice meltiNG): Invitation of Dr. <i>Katrin Husum</i> (Norwegian Polar Institute) as a visiting scientist	UA call: International mobility 2018	1.5	2018	PI
HOOPACOR : Sampling of long sediment cores (Kullenberg) in haploos fields off the Loire estuary. PI: A. Mouret (UA)	Proposals CNFC 2018 for coastal campaigns	10 days shiptime	2018	Paleoecological reconstructions
Bi-SMART (Bioindication of brine formation under Arctic sea ice). PI: M.P. Nardelli (UA)	UA call research committee 2017	20.6	2017-2018	Paleoclimate reconstructions
ABBA (Arctic Brine BioindicAtor) Under the Arctic ice: The benthic foraminifera as bio-indicators of brine formation in the Storfjorden (Norway) PIs: M.P. Nardelli and M. Mojtahid (UA)	OSUNA	5	2017	Co-PI
PALEOVASE (Holocene palaeoenvironments of the Loire estuary: Case study from the Brillantes mudflat)	Nantes Observatory of Universe Science (OSUNA)	9.3	2015	PI
HISTOLOIRE : Determination of the pre-anthropogenic state of the Loire estuary and its historical evolution	Grand Port Maritime Nantes Saint-Nazaire	18	2015-2016	PI

MADHO: Mediterranean Deltas in the Holocene. PI: S. Berné (CEFREM, Université de Perpignan)	Mistrals/ Paleomex, France	137	2012-2015	Paleoecological reconstructions off Nile and Var rivers
GéoFoBe (Benthic foraminifera geochemistry, acquisition, and preservation of elemental and isotopic signals). PI: S. Sepulcre (IDES, University of Paris-Sud)	INSU, France	14	2012-2014	Supervising a MsC student
Jeune Equipe PI: M. Elliot (LPG-Nantes)	Région Pays de la Loire, France	236	2012-2014	Co-responsible for the finances and LA-ICPMS analyses
SEMHABEL (Monitoring benthic microhabitats of the Loire Estuary)	The European Regional Development Fund (FEDER)	152	2012-2013	PI
N-ForLab (<i>Quantification of denitrification of benthic foraminifera: Laboratory experiments</i>). PI: E. Geslin (UA)	EC2CO, INSU	40	2012-2013	Expertise in laboratory experiments
Foram-C (Linking foraminiferal diets and shell chemistry: an experimental approach to improving paleoceanography proxies)	Marie-Curie Fellowship (FP7-PEOPLE-IEF-2008)	170	2009-2011	PI

Publications

In a nutshell:

43 publications in peer review journals, **3** under review

15 papers as first author, **7** as second author, and **4** as last author

1 international report

1370 citations, H-index: **19**, i10-index: **28** (Google scholar 04/2023)

*indicates the publications without the presence of my PhD supervisor (F. Jorissen). In italics are the names of the post-doc, PhD or MsC students I supervised.

Published papers

**Depuydt, P., Barras, C., Toucanne, S., Fossile, E., Mojtahid, M., 2023. Implication of size fraction on benthic foraminiferal-based paleo-reconstructions: A case study from the Bay of Biscay (NE Atlantic). Mar. Micropaleontol. 181, 102242. <https://doi.org/10.1016/j.marmicro.2023.102242>*

**Khalifaoui, O., Dezileau, L., Mhammedi, N., Medina, F., Mojtahid, M., Raji, O., Talibi, H.E., Mellas, S., Degeai, J.-P., Khalidi, K.E., Snoussi, M., Bendahhou, Z., Aboumaria, K., 2023a. Storm surge and tsunami deposits along the Moroccan coasts: state of the art and future perspectives. Nat. Hazards. <https://doi.org/10.1007/s11069-023-05940-z>*

**Khalifaoui, O., Dezileau, L., Mojtahid, M., Degeai, J.-P., Snoussi, M., Araya, K., 2023b. Paleoenvironmental evolution and evidence of marine submersion events from mid-to late Holocene in northwestern Morocco: The case of the Tahaddart lower estuary. Cont. Shelf Res. 256, 104958. <https://doi.org/10.1016/j.csr.2023.104958>*

**Mojtahid, M., Depuydt, P., Mouret, A., Le Houedec, S., Fiorini, S., Chollet, S., Massol, F., Dohou, F., Filipsson, H.L., Boer, W., Reichart, G.-J., Barras, C., 2023. Assessing the impact of different carbonate system parameters on benthic foraminifera from controlled growth experiments. Chem. Geol. 623, 121396. <https://doi.org/10.1016/j.chemgeo.2023.121396>*

**Nardelli, M.P., Fossile, E., Péron, O., Howa, H., Mojtahid, M., 2023. Early taphonomy of benthic foraminifera in Storfjorden 'sea-ice factory': the agglutinated/calcareous ratio as a proxy for brine persistence. Boreas. <https://doi.org/10.1111/bor.12592>*

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- *Depuydt, P., **Mojtahid, M.**, Barras, C., Bouhdayad, F.Z., Toucanne, S., 2022. Intermediate ocean circulation and cryosphere dynamics in the northeast Atlantic during Heinrich Stadials: benthic foraminiferal assemblage response. *J. Quat. Sci.* 1–15. <https://doi.org/10.1002/jqs.3444>
- *Fossile, E., Nardelli, M.P., Howa, H., Baltzer, A., Poprawski, Y., Baneschi, I., Doveri, M., **Mojtahid, M.**, 2022. Influence of modern environmental gradients on foraminiferal faunas in the inner Kongsfjorden (Svalbard). *Mar. Micropaleontol.* 173, 102117. <https://doi.org/10.1016/j.marmicro.2022.102117>
- *Thibault de Chanvalon, A., Geslin, E., **Mojtahid, M.**, Métais, I., Méléder, V., Metzger, E., 2022. Multiscale analysis of living benthic foraminiferal heterogeneity: Ecological advances from an intertidal mudflat (Loire estuary, France). *Cont. Shelf Res.* 232, 104627. <https://doi.org/10.1016/j.csr.2021.104627>
- *Le Houedec, S., **Mojtahid, M.**, Ciobanu, M., Jorry, S.J., Bouhdayad, F.Z., Guyonneau, E., Sourice, S., Toucanne, S., 2021. Deglacial to Holocene environmental changes in the northern Ligurian Sea: The dual influence of regional climate variability and large-scale intermediate Mediterranean circulation. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* 576, 110500. <https://doi.org/10.1016/j.palaeo.2021.110500>
- ***Mojtahid, M.**, Schweizer, M., Douarin, M., *Gabriel, J.*, Colin, C., Tisnérat-Laborde, N., Elliot, M., 2021. From glacial times to late Holocene: Benthic foraminiferal assemblages from cold water coral habitats off northwest Scotland. *Mar. Geol.* 440, 106581. <https://doi.org/10.1016/j.margeo.2021.106581>
- *Toucanne S., Soulet G., Boswell S., Dennielou B., Waelbroeck C., Bayon G., **Mojtahid M.**, et al., 2021. The North Atlantic Glacial Eastern Boundary Current as a Key Driver for Ice-Sheet. *Paleoceanogr. Paleoclimatology* 36, e2020PA004068. doi: 10.1029/2020PA004068
- ***Mojtahid, M.**, Michel, E., De Deckker, P., 2020. From “source to sink” – A new perspective on the past dynamics of the Murray Canyon Group from benthic foraminiferal communities. *Mar. Micropaleontol.* 101877. <https://doi.org/10.1016/j.marmicro.2020.101877>
- *Penaud, A., Ganne, A., Eynaud, F., Lambert, C., *Coste, P.O.*, Herlédan, M., Vidal, M., Goslin, J., Stéphan, P., Charria, G., Pailler, Y., *Durand, M.*, Zumaque, J., **Mojtahid, M.**, 2020. Oceanic versus continental influences over the last 7 kyrs from a mid-shelf record in the northern Bay of Biscay (NE Atlantic). *Quat. Sci. Rev.* 229, 106135. <https://doi.org/10.1016/j.quascirev.2019.106135>
- *Penaud, Aurélie, Ganne, A., *Coste, P.-O.*, Herlédan, M., *Durand, M.*, **Mojtahid, M.**, Nizou, J., Toucanne, S., 2020. A new midshelf record in the northern Bay of Biscay (NE Atlantic, CBT-CS11 core): Sedimentological, geochemical and palynological data over the last 7 kyrs. *Data Brief* 29, 105323. <https://doi.org/10.1016/j.dib.2020.105323>
- **Le Houedec, S.*, **Mojtahid, M.**, Bicchi, E., Lange, G.J. de, Hennekam, R., 2020. Suborbital Hydrological Variability Inferred from Coupled Benthic and Planktic Foraminiferal-Based Proxies in the Southeastern Mediterranean During the Last 19 ka. *Paleoceanogr. Paleoclimatology* 35, e2019PA003827. <https://doi.org/10.1029/2019PA003827>
- **Fossile E.*, Nardelli M.P., *Jouini A.*, Lansard B., Pusceddu A., Moccia D., Michel E., Péron O., Howa H., and **Mojtahid M.** 2020. Benthic foraminifera as tracers of brine production in the Storfjorden “sea ice factory.” *Biogeosciences* 17, 1933–1953. <https://doi.org/10.5194/bg-17-1933-2020>
- Mojtahid, M.**, Hennekam, R., De Nooijer, L., Reichart, G.-J., Jorissen, F., Boer, W., *Le Houedec S.*, De Lange, G. J. 2019b. Evaluation and application of foraminiferal Element/Calcium ratios : assessing riverine fluxes and environmental conditions during sapropel S1 in the southeastern Mediterranean. *Marine Micropaleontology*, 153, 101783, <https://doi.org/10.1016/j.marmicro.2019.101783>
- *Araújo D. F., Ponzevera E., Briant N., Knoery J., Sireau T., **Mojtahid M.**, Metzger E., Brach-Papa C., 2019. Assessment of the metal contamination evolution in the Loire estuary using Cu and Zn stable isotopes and geochemical data in sediments. *Marine Pollution Bulletin*, 143, 12-23. [10.1016/j.marpolbul.2019.04.034](https://doi.org/10.1016/j.marpolbul.2019.04.034)
- ***Mojtahid, M.**, *Durand, M.*, *Coste, P.-O.*, Toucanne, S., Howa, H., Nizou, J., Eynaud, F., Penaud, A., 2019a. Millennial-scale Holocene hydrological changes in the northeast Atlantic: New insights from ‘La Grande Vasière’ mid-shelf mud belt. *The Holocene*, 29, 467-480. <https://doi.org/10.1177/0959683618816478>
- **Durand, M.*, **Mojtahid, M.**, Maillet, G.M., Baltzer, A., Schmidt, S., Blet, S., Marchès, E., Howa, H., 2018. Late Holocene record from a Loire River incised paleovalley (French inner continental shelf): Insights into regional and global forcing factors. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 511, 12-28. <https://doi.org/10.1016/j.palaeo.2018.06.035>
- ***Mojtahid, M.**, Toucanne, S., *Fentimen, R.*, Barras, C., Le Houedec, S., Soulet, G., Bourrillet, J-F, Michel, E. 2017. Changes in Northeast Atlantic hydrology during Termination 1: insights from Celtic margin’s benthic foraminifera. *Quaternary Science Reviews*, 175, 45-59. doi:10.1016/j.quascirev.2017.09.003

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Participation to chapters in collective reports

Guiot J., Cramer W. and 71 CLAs and LAs, CLIMATE AND ENVIRONMENTAL CHANGES IN THE MEDITERRANEAN - First MedECC Assessment Report (MAR1), Under review.

Conferences

In a nutshell:

33 national and international conferences, **22** as first author

21 talks and **12** posters

2 Invited conferences

(* The person presenting the study; **Invited conference. In italics are the names of the PhD or MSc students I supervised)

***Mojtahid M.**, Schweizer M., Douarin M., *Gabriel J.*, Colin C., Tisnérat-laborde N., Pons-branclu E., Elliot M. From glacial times to late Holocene: benthic foraminiferal communities from cold water coral reefs off north west Scotland. Oral presentation, Journées "Climat et Impacts", Nov 2020, Paris Orsay.

Depuydt P.*, **Mojtahid M., Barras C., Soulet G., Toucanne S. A new 45 kyr-high resolution record from the Bay of Biscay (NE Atlantic): insights from benthic foraminifera on hydrological and environmental changes. Poster, Journées "Climat et Impacts", Nov 2020, Paris Orsay.

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* ; ****Mojtahid M.**, 2017. The ocean and the history of Earth's climate for two million years. Oral presentation, Terre des sciences, Cycle of conferences on the ocean, Institut Municipal d'Angers.

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