

Curriculum Vitae

Ana Isabel de Sousa Horta Dias Gomes

Interdisciplinary Center for Archaeology and Evolution of Human Behaviour - ICArEHB

University of Algarve, 8005-139 Faro, Portugal

<http://www.icarehb.com/>

E-mail: aisgomes@ualg.pt; URL: http://www.researchgate.net/profile/Ana_Gomes58,

<http://www.researcherid.com/rid/C-3969-2015>, <http://orcid.org/0000-0002-9793-4816>

Nationality: Portuguese / Birth date: 4th May, 1985

EDUCATION:

- 2010 - 2014** **Doctor of Philosophy in Marine, Earth and Environmental Sciences (Geosciences - Palaeontology)**
Centre for Marine and Environmental Research - CIMA, University of Algarve (Portugal)
Thesis title: *Holocene environmental changes on the Algarve coast: a diatom-based study*
URL: <http://hdl.handle.net/10400.1/7605>
Supervisors: Prof. Dr. Tomasz Boski and Dr. Delminda Moura (University of Algarve, Portugal),
Dr. Katie Szkornik (University of Keele, United Kingdom) and Prof. Dr. Andrzej Witkowski (University of Szczecin, Poland)
Final classification: *Very Good with Distinction and Honors*
- 2003 - 2008** **Licentiate degree (5 years) in Biology and Geology (for teaching)**
Faculty of Sea and Environment Sciences, University of Algarve (Portugal)
Scientific project title: *Remediation of the soils of the S. Domingos Mine*
Supervisors: Dr. Cristina Veiga-Pires and Gracinda Bento
Final classification: *17 in 20*

TRAINING:

- 2012** **Second Workshop on Siliceous Microorganisms**
Institute of Marine Sciences, University of Szczecin (Poland)
- 2010 and 2012** **Training on diatom analysis**
School of Physical and Geographical Sciences, University of Keele (United Kingdom)
- 2012** **Workshop on data analysis in R**
Faculty of Sciences, Center of Oceanography, University of Lisbon (Portugal)
- 2011** **ERASMUS training**
Institute of Marine Sciences, University of Szczecin (Poland)
- 2009 and 2010** **ArcGIS Desktop I and II**
Environmental Systems Research Institute, Inc., GALILEU SUL (Portugal)
- 2009** **English Language Free Course - Advanced Level**
Higher School of Management, Hotel industry and Tourism, University of Algarve (Portugal)
- 2008** **Course of Scientific Illustration**
Centre of Marine Sciences, University of Algarve (Portugal)
- 2008** **English Intensive Course**
Cambridge School (Portugal)

EMPLOYMENT HISTORY:

- 2016** **University of the Algarve, Interdisciplinary Center for Archaeology and Evolution of Human Behaviour, Faro (Portugal)**
Postdoctoral fellowship
- 2015** **University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal)**
Researcher (voluntary work)
- 2015** **University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal)**
Postdoctoral fellowship
- 2014 - 2015** **University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal)**
Researcher (voluntary work)
- 2010 - 2014** **University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal)**
PhD grant holder (Portuguese Foundation for Science and Technology)
- 2009** **University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal)**
Project grant holder

2009	University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal) Secretary
2008	University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal) Geologist
2008	University of the Algarve, Centre for Marine and Environmental Research, Faro (Portugal) Monitor in the Tavira Life Sciences Centre
2007 - 2008	Pinheiro e Rosa Secondary School, Faro (Portugal) Trainee teacher (final classification: 19 in 20)

TEACHING EXPERIENCE:

2017 at the University of Algarve

Collaboration in theoretical and theoretical-practical classes of the curricular units "Geomorphology applied to Archaeology" and "Geomorphology" of the first years of the Doctoral and Master courses in Archaeology; Supervisor of the vocational training of a student from the 9th grade (António Jotta from Vilamoura International College);

2016 at the University of Algarve

Supervisor of a Doctoral student (Mussa Raja from University of Algarve, Portugal) in the development of his thesis entitled "Geoarchaeology of the Stone Age deposits of the Machampane River, Massingir, Mozambique"; Supervisor of a Licentiate degree student (Filipa Pinheiro from University of Algarve, Portugal) in the development of her final project entitled "The influence of freshwater springs in the diatom distribution of rocky coasts"; Collaboration in theoretical and theoretical-practical classes of the curricular unit "Geomorphology applied to Archaeology" of the first year of the Doctoral course in Archaeology (didactic materials can be consulted at: <http://tutoria.ualg.pt/2015/enrol/index.php?id=2706>; Login as visitant; Password: agomes); Collaboration in the practical classes of the curricular unit "Introduction to Archaeology" of the first year of the Licentiate degree in Cultural Heritage and Archaeology.

2015 at the University of Algarve:

Collaboration in theoretical and theoretical-practical classes of the curricular unit "Record and measures of environmental changes" of the second year of the Master in Marine and Coastal Systems (didactic materials can be consulted at: <https://tutoria.ualg.pt/2015/login/index.php>; Login as visitant; Password: CIMA2015; please see materials from the 19th October to the 1st of November);

2013 at the University of the Algarve:

Training of a PhD student (Agatha Szczygielski from the University of Kiel, Germany) in preparation of samples and diatom identification in light microscope; Collaboration in the work of a Masters student (Sónia Oliveira from the University of Algarve, Portugal) for the development of an interactive multimedia application for educational purposes (FORDID);

2007-2008 at Pinheiro e Rosa Secondary School:

Biology and Geology teacher of the 10th year; Participation science demonstrations directed to students from pre-school and 1st cycle of basic education (including their planning and development of didactic materials).

SCIENCE MANAGMENT AND SCIENCE DIVULGATION EXPERIENCE:

2017 at the University of Algarve:

Interview to *RUA FM*
Participation in *Equipa UAlg*
Participation in the *Imperial Science Event* (SARF- Os Artistas, Faro, Portugal)
Participation in the *European Researchers Night* in CCVAIlg
Director of the ICAREHB Laboratory;
Preparation of project proposals to apply for funds;
Organization of the *IX Iberian Quaternary Meeting*;
Participation in the *Vale Boi* and *University of Algarve Open Days*;
Organization of archaeological activities for the children of the holiday camp of the University of Algarve;
Participation in the *XXXVIII Fair of Handicrafts, Tourism, Agriculture, Commerce and Industry* (Lagoa, Portugal);

2016 at the University of Algarve:

Participation in the *Vale Boi, Muge* and *University of Algarve Open Days*
Participation in the *III Show of Science and Technology Projects* (Ribeira Market, Tavira, Portugal);
Participation in the *Imperial Science Event* (SARF- Os Artistas, Faro, Portugal);
Organization of the *Workshop on data analysis and statistics in R* (14-15th October/10 -11th November 2016, University of Algarve, Portugal);
Participation in an editorial board of a book for science divulgation about Guadiana River, promoted by CIMA (University of Algarve, Portugal);

Reviewer of a research proposal submitted to the executive government Agency of National Science Centre (Narodowe Centrum Nauki - NCN), Poland;

Collaboration with CIMA members in the preparation of project proposals to apply for funds;

Participation in formating of *Journal of Integrated Coastal Zone Management*;

Director of the ICAREHB Laboratory.

2015 at the University of Algarve:

Collaboration with several members of CIMA in the preparation of project proposals to apply for funds;

Participation in the *Bleu Week* (Lisbon, Portugal);

Reviewer of the Journal *Estuarine, Coastal and Shelf Science* and *Diatom Monographs* (Koeltz Scientific Books);

Participation in formating of *Journal of Integrated Coastal Zone Management*.

2014 at the University of the Algarve:

Leader of a fieldwork team of the project MOSES;

Participation in formating of *Journal of Integrated Coastal Zone Management*.

2013 at the University of the Algarve:

Participation in the *European Researchers Night*, involving interactive displays and public demonstrations;

2010 at the University of the Algarve:

Coordinator of the activity of diatom identification in the *BioBlitz Alvor* (involving sampling, identification, public demonstrations, journal and TV's interviews). URL: <https://pt-pt.facebook.com/CIMA.ualg/videos/159969527366743/>; <http://www.barlavento.pt/index.php/noticia?id=43940>.

2009 at the University of the Algarve:

Event organizer: VII Iberian Quaternary Meeting and public exhibition of the geological heritage of Cacela Velha (including a radio interview to announce the public exhibition).

2008 at Tavira Life Sciences Centre:

Presentation of research projects developed in the University of Algarve.

FIELD WORK / ARCHAEOLOGICAL EXCAVATION EXPERIENCE

- 2016 -** Archaeological excavations and prospection in Massingir, Inhanbane and Vilankulos areas (Mozambique), Muge and Vila do Bispo (Portugal)
- 2010 - 2014** Field work in the Arade and Guadiana River Estuaries, Ria Formosa and Barba Roxa Lagoons (Portugal)
- 2007 - 2016** Field work in the Algarve Rocky Coast (Olhos de Água and Galé Beaches, Portugal)

OTHER SKILLS AND QUALIFICATIONS:

Mother tongue - Portuguese, proficient user of English and basic user of French and Spanish.

Computer skill: Microsoft Office™ tools; Photoshop and Illustrator (Adobe CS5); AxioVision Rel. 4.8; Internet environment; STATISTICA, GRADISTAT; PRIMER; PAST; TILIA; C2; CANOCO; CALIB; NEWPLOT.

Driving licence (type B - car).

AWARDS:

- 2016** Honorable mention for a poster presentation
- 2009** Caixa Geral de Depósitos Best Student award
- 2008** University of Algarve Merit Scholarship

MEMBERSHIP:

- Since February 2016** Integrated member of the Interdisciplinary Center for Archaeology and Evolution of Human Behaviour
- Since 2017** Collaborator of the Centre for Marine and Environmental Research
- 2015-2016** Member of the Scientific Committee of the Centre for Marine and Environmental Research.
- 2008-2016** Member of the Centre for Marine and Environmental Research.

PROJECTS:

- 2016-2018.** Member of the Project: PTDC/EPHARQ/4168/2014. **VIP** – Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. Portuguese Science Foundation, Chief Investigator: Jonathan Haws, ICAREHB and University of Louisville. URL: <https://www.researchgate.net/project/Stone-Age-Vilankulos-Modern-Human-Origins-Research-south-of-the-Rio-Save-Mozambique>

- 2016-2017.** Member of the Project w373-15. Middle Stone Age Archaeology survey in the Limpopo and Elephant rivers valleys, southern Mozambique. National Geographic Society, Chief Investigators: Nuno Bicho, ICAREHB. (Funding: \$15000 US).
- 2016.** Member of the Project: Vale Boi Archaeological Project, Portugal: Investigating Anatomically Modern Human occupation in Southern Iberia. Institute of Field Research. Chief Investigators: Nuno Bicho and João Cascalheira, ICAREHB.
- 2016.** Member of the Project: The last hunter-gatherers of Muge (Portugal): the origins of social complexity. Chief Investigator: Nuno Bicho, ICAREHB.
- 2013-2015.** Collaboration in the project PTDC/GEO-GEO/3981/2012. **MOSES** – Moving Sands - Equilibrium State of Crenulated Coasts. Portuguese Science Foundation. Chief Investigator: Prof. Delminda Moura, CIMA. URL: <https://www.facebook.com/Projecto.MOSES/info> (Funding: 150 000 euros, Publications: 2 articles in peer-reviewed scientific journals, 7 abstracts in conference proceedings)
- 2011-2014.** Member of the Project: PTDC/CTE-GIX/112236/2009. **SIHER** – Processes of Sedimentary Infilling and Holocene Evolution of the Ria Formosa Lagoon System. Portuguese Science Foundation. Chief Investigator: Prof. Tomasz Boski, CIMA. URL: http://www.cima.ualg.pt/cimaualg/index.php?option=com_content&view=article&id=60&Itemid=24&lang=pt (Funding: 100 000 euros; Publications: 2 articles in peer-reviewed scientific journals, 2 Master thesis, 1 PhD thesis; 8 abstracts in conference proceedings)
- 2011.** Collaboration in the fieldworks of the project PTDC/CTE-GIX/111230/2009. **EROS** – Erosion of Rocky Shores - differences in protection promoted by sandy beaches and shore platforms. Portuguese Science Foundation. Chief Investigator: Prof. Delminda Moura, CIMA. URL: http://www.cima.ualg.pt/cimaualg/index.php?option=com_content&view=article&id=49&Itemid=24&lang=pt (Funding: 150 000 euros; Publications: 5 articles in peer-reviewed scientific journals, 2 book chapters, 14 abstracts in conference proceedings, 1 Master thesis)
- 2010-2013.** Member of the COST Action TD0902. **SPLASHCOS** – Submerged Prehistoric Archaeology and Landscapes of the Continental Shelf. European Science Foundation (25 European States involved). Chief Investigators of the Portuguese team: Prof. Nuno Bicho and Prof. Delminda Moura. URL: <http://splashcos.org/> (Publications: 1 comment on Nature article, 1 book, 1 forum paper, 1 Newsletter, Annual progress reports)
- 2007-2011.** Research fellow of the Project (during 2009): **SPICOSA** – Science and Policy Integration for Coastal Zone Management. VI EU Framework Programme. Chief Investigator of the CIMA team: Prof. Tomasz Boski. URL: <http://www.spicosa.eu/> (Funding: 217 720 euros; Publications: 5 articles in peer-reviewed scientific journals, 1 PhD thesis)
- 2007-2011.** Collaboration in the fieldworks of the project PTDC/CTE-GEX/70448/2006 (during **2008-2009**). **BISHOP** – Bioprotection and bioerosion on shore platforms in the Algarve and Estremadura (Portugal South and West coast). Portuguese Science Foundation. Chief Investigator: Prof. Delminda Moura, CIMA. URL: <http://www.ceg.ul.pt/bishop/bishop.swf> (Funding: 121 856 euros; Publications: 2 articles in peer-reviewed scientific journals, 5 abstracts in conference proceedings)

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS:

- Gomes, A., Boski, T., Moura, D., Witkowski, A., Szkornik, K., Connor, S.** Iconography of Diatoms from the Southern Iberia Land-Ocean Transition Zones. *Phytotaxa (in prep.)*.
- Boski, T., Camacho, S., Moura, D., Fletcher, W., Gomes, A., Wilamowski, A., Veiga-Pires, C., Loureiro, C., Santana, P.** Sedimentary record of the post-glacial climate change and sediment infilling in two estuaries of SW Iberia Peninsula (*in prep.*).
- Oliveira, S., Moura, D., Horta, J., Nascimento, A., Gomes, A., Veiga-Pires, C., 2017.** The morphosedimentary behaviour of a headland–beach system: Quantifying sediment transport using fluorescent tracers. *Marine Geology* 388, 62-73. Doi: <http://dx.doi.org/10.1016/j.margeo.2017.02.010>
- Laut, L., Clemente, I., Belart, P., Martins, M., Frontalini, F., Laut, V., Gomes, A., Boski, T., Lorini, M., Fortes, R., Rodrigues, M., 2016.** Multiproxies (Benthic Foraminifera, Ostracods and Biopolymers) Approach Applied To Identify The Environmental Partitioning Of The Guadiana River Estuary (Iberian Peninsula). *Journal of Sedimentary Environments*, 1(2), 184-201. Doi: [10.12957/jse.2016.22534](https://doi.org/10.12957/jse.2016.22534)
- Laut, L.L.M., Rodrigues, M.A. da C., Silva, F.S., Mentzingen, L.G., Martins, V., Boski, T., Gomes, A.I., Dias, J.M.A., Fontana, L.F., Clemente, I.M.M.M., Mendonca-Filho, J.G., Rapnã, L.C., 2015.** Ostracodes of the Arade River Estuary, Algarve - Portugal. *Anuário do Instituto de Geociências*. DOI: http://dx.doi.org/10.11137/2015_2_115_126
- Witkowski, A., Gomes, A., Mann, D.G., Trobajo, R., Li, C., Barka, F., Gusev, E., Dąbek, P., Grzonka, P., Kurzydłowski, K.J., Zgłobicka, I., Harrison, M., Boski, T.** *Simonsenia aveniformis* sp. nov. (Bacillariophyceae), molecular phylogeny and systematics of the genus, and a new type of canal raphe system. *Scientific Report* 5, 17115. URL: www.nature.com/articles/srep17115.
- Oliveira, S., Boski, T., Moura, D., Sousa, C., Gomes, A., Pereira, L., 2014.** Interactive multimedia application of Ria Formosa for educational purposes (FORDID). *Comunicações Geológicas* 101, Special III, ISSN: 0873-948X, e-

ISSN: 1647-581X, pp. 1333-1337. URL: http://www.lneg.pt/download/9767/52_2951_ART_CG14_ESPECIAL_III.pdf

- Sousa, C., Boski, T., **Gomes, A.**, Pereira, L., Lampreia, J., Oliveira, S., 2014. Holocene reconstruction of the Ria Formosa coastal lagoon (south of Portugal) based on a pre-Holocene paleosurface digital model. *Comunicações Geológicas* 101, Special I, ISSN: 0873-948X, e-ISSN: 1647-581X, pp. 635-639. URL: http://www.lneg.pt/download/9623/9_3053_ART_CG14_ESPECIAL_II.pdf
- Laut, L.L.M., Cabral, I.A., Rodrigues, M.A. da C., Silva, F.S., Martins, V., Boski, T., **Gomes, A.I.**, Dias, J.M.A., Fontana, L.F., Laut, V.M., Mendonca-Filho, J.G., 2014. Environmental Compartments of Arade River Estuary, South of Portugal, Based on Distribution and Ecology of Foraminifera. *Anuário do Instituto de Geociências* 37, 60-74. URL: http://www.anuario.igeo.ufrj.br/2014_2/2014_2_60_74.pdf
- Camacho, S., Moura, D., Connor, S., Boski, T., **Gomes, A.**, 2014. Geochemical characteristics of sediments along the margins of an atlantic-mediterranean estuary (the Guadiana, Southeast Portugal): spatial and seasonal variations. *Journal of Integrated Coastal Zone Management* 14 (1), 129-148. URL: http://www.aprh.pt/rgci/pdf/rgci_14-1_screen.pdf
- Gomes, A.**, Witkowski, A., Dąbek, P., Boski, T., Moura, D., Szkornik, K., Kurzydłowski, K., 2013. *Syvertsenia iberica* (Cymatosiraceae): a new estuarine diatom genus characterized by the position of its process. *Phytotaxa* 142 (1), 25-36. URL: <http://www.mapress.com/phytotaxa/content/2013/f/p00142p036f.pdf>
- Moura, D., Gabriel, S., Gamito, S., Santos, R., Zugasti, E., Naylor, L., **Gomes, A.**, Tavares, A. M., Martins, A. L., 2012. Integrated assessment of bioerosion, biocover and downwearing rates of carbonate rock shore platforms in southern Portugal. *Continental Shelf Research* 38, 79-88. URL: <http://www.sciencedirect.com/science/article/pii/S0278434312000593>
- Delgado, J., Boski, T., Nieto, J.M., Pereira, L., Moura, D., **Gomes, A.**, Sousa, C. García-Tenorio, R., 2012. Sea-level rise and anthropogenic activities recorded in the late Pleistocene/Holocene sedimentary infill of the Guadiana Estuary (SW Iberia). *Quaternary Science Reviews* 33, 121-141. URL: <http://www.sciencedirect.com/science/article/pii/S0277379111003842>

PUBLICATIONS IN BOOKS:

- Gomes, A.**, Camacho, S., 2017. *Habitats of the Guadiana River Estuary*. Edt: D. Moura, **A. Gomes**, I. Mendes, J. Aníbal, Guadiana River Estuary - Investigating the past, present and future, Centre for Marine and Environmental Research (CIMA), University of Algarve, Faro, ISBN: 978-989-8859-18-1, pp. 53-70. DOI: <http://hdl.handle.net/10400.1/9887>
- Moura, D., **Gomes, A.**, Horta, J., 2017. *Iberian Atlantic Margin*. Edt: Flemming, N., Harff, J., Moura, D., Burgess, A., Bailey, G., Submerged Landscapes of the European Continental Shelf: Volume 1 – Quaternary Paleoenvironments, John Wiley & Sons, Ltd, pp. 281-300. URL: <http://research.pt/dmoura/c11.pdf>
- Silva, F.S., Laut, L.L.M., Carvalhal-Gomes, S.B.V., Fontana, L.F., Martins, V., **Gomes, A.I.**, Clemente, I.M.M.M., Laut, V.M., Souza, R.C.C.L., Crapez, M.A.C., Rodrigues, M.A. da C., Mendonca-Filho, J. G., 2013. *Geochemical characterization of the estuarine sediments of Southern Iberia Peninsula as a tool for environmental assessment*. Edt: Rodrigues, M.A.C., Pereira, S.D., Bergamachi, S., Human-environment interactions on the coastal zones: Brazil/Portugal, Corbã Editora Artes Gráficas Ltda, ISBN: 978-85-98460-15-4, Rio de Janeiro, pp. 85-99. URL: www.research.pt/aigomes/silva%20et%20al%202013.pdf
- Gomes, A.**, Boski, T., Moura, D., 2012. *Diatoms as potential tools for palaeoenvironmental reconstructions*. Edt: Almeida, A., Bettencourt, A., Moura, D., Monteiro-Rodrigues, S., Alves, M., Environmental changes and human interaction along the western Atlantic edge, ISBN: 978-989-97140-1-4, Coimbra, pp. 43-47. URL: <https://sapientia.ualg.pt/bitstream/10400.1/2525/1/Gomes%20et%20al.%2c%202012.pdf>
- Moura, D., **Gomes, A.**, Gabriel S., Horta, J., 2012. *Mean sea level and coastline - Late Quaternary*. Edt: Almeida, A., Bettencourt, A., Moura, D., Monteiro-Rodrigues, S., Alves, M., Environmental changes and human interaction along the western Atlantic edge, ISBN: 978-989-97140-1-4, Coimbra, pp. 219-226. URL: <http://sapientia.ualg.pt/bitstream/10400.1/2518/1/Moura%20et%20al.%2c%202012.pdf>

PUBLICATIONS AND ABSTRACTS IN CONFERENCE PROCEEDINGS:

- Gomes, A.**, Zinsious, B., Raja, M., Bicho, N., Haws, J., 2018. Holocene Palaeoenvironmental Changes in Southeastern Mozambique: the Case of the Inhambane Bay. 83rd Annual Meeting of the Society for American Archaeology, Washinton DC, USA (*submitted*).
- Gomes, A.**, Moura, D., Oliveira, S., 2017. The influence of freshwater outflow on the concentration of diatoms on rocky coastlines. In: Gomes, A., Gonçalves, C., André, L., Bicho, N., Boski, T. Changes in environmental systems and their time scales - Abstract Book of the IX Iberian Quaternary Meeting, 19-23 October, Faro, Universidade do Algarve, 178 p. ISBN 978-989-8859-20-4, pp. 88-98, <http://hdl.handle.net/10400.1/10066>
- Moura, D., Oliveira, S., Horta, J., **Gomes, A.**, Nascimento, A., 2017. Last interglacial: terraces on the rocky coast of central Algarve. In: Gomes, A., Gonçalves, C., André, L., Bicho, N., Boski, T. Changes in environmental systems

- and their time scales - Abstract Book of the IX Iberian Quaternary Meeting, 19-23 October, Faro, Universidade do Algarve, 178 p. ISBN 978-989-8859-20-4, pp. 90-91, <http://hdl.handle.net/10400.1/10066>.
- Gomes, A.**, Skosey-LaLonde, E., Zinsious, B., Gonçalves, C., Bicho, N., Raja, M., Cascalheira, J., Haws, J., 2017. Environmental changes on the Mozambican coast, during the Holocene. In: Gomes, A., Gonçalves, C., André, L., Bicho, N., Boski, T. Changes in environmental systems and their time scales - Abstract Book of the IX Iberian Quaternary Meeting, 19-23 October, Faro, Universidade do Algarve, 178 p. ISBN 978-989-8859-20-4, pp. 165-166, <http://hdl.handle.net/10400.1/10066>
- Bicho, N.; Cascalheira, J.; Haws, J.; Gonçalves, C.; Raja, M.; André, L.; Benedetti, M.; **Gomes, A.**; Carvalho, M.; Zinsious, B.; Benedetti, I.; Skosey-LaLonde, E., 2017. The Txina-Txina Later Stone Age site, Limpopo River basin, Mozambique. In: Gomes, A., Gonçalves, C., André, L., Bicho, N., Boski, T. Changes in environmental systems and their time scales - Abstract Book of the IX Iberian Quaternary Meeting, 19-23 October, Faro, Universidade do Algarve, 178 p. ISBN 978-989-8859-20-4, pp. 24-25, <http://hdl.handle.net/10400.1/10066>.
- Nascimento, A., Oliveira, S., Horta, J., **Gomes, A.**, Moura, D., 2017. Morphologically controlled hydro-sedimentary processes on the rocky coast of Galé (Algarve). Congress of Geomorphology, Porto, pp. 107-109. <https://www.dropbox.com/s/pjemxsbebv8v4bv/Livro%20de%20Atas.pdf?dl=0>.
- Bicho, N., Cascalheira, J., Haws, J., Gonçalves, C., Raja, M., André, L., Benedetti, M., **Gomes, A.**, Carvalho, M., Zinsious, B., 2017. Txina, Txina, a new LSA site from the Limpopo River Valley, Mozambique. 7th Annual Meeting of the European Society for the study of Human Evolution, Leiden, The Netherlands.
- Oliveira, S., Horta, J., Nascimento, A., **Gomes, A.**, Moura, D., Boski, T., 2017. Coastal Risk - monitoring the sinkholes in the southern Algarve coast. Science Meeting 2017, Lisbon.
- Bicho, N., Cascalheira, J., Haws, J., Gonçalves, C., Raja, M., André, L., Benedetti, M., **Gomes, A.**, Carvalho, M., Zinsious, B., 2017. Txina Txina: a Later Stone Age site from the Limpopo basin in southern Mozambique. Paleanthropology Society 2017 Annual Meeting, Vancouver, Canada. URL: http://www.paleoanthro.org/media/uploads/files/2017_PaleoAnthro_abstracts_meetings_version_PR6kkHR.pdf
- Gonçalves, C., **Gomes, A.**, Cascalheira, J., Raja, M., Bicho, N., Haws, J., 2017. Applying systematic sampling survey to evaluate Stone Age settlement in the Elephant River, Limpopo basin, SW Mozambique. Paleomeetings, Vancouver, Canada. URL: http://www.paleoanthro.org/media/uploads/files/2017_PaleoAnthro_abstracts_meetings_version_PR6kkHR.pdf
- Gomes, A.**, Skosey-LaLonde, E., Zinsious, B., Gonçalves, C., Bicho, N., Raja, M., Cascalheira, J., Haws, J., 2017. Diatoms from Mozambique: a tool for palaeoenvironmental reconstructions and to understand human evolution. Past Global Changes, 5th Open Science Meeting "Global Challenges for our Common Future: a Paleoscience perspective", Zaragoza, Spain, ID:02030, p. 250. URL: <http://pastglobalchanges.org/osm2017/downloads/osm-abstract-book-zaragoza-2017.pdf>
- Gomes, A.**, Skosey-LaLonde, E., Zinsious, B., Gonçalves, C., Bicho, N., Raja, M., Cascalheira, J., Haws, J., 2017. Palaeoenvironmental reconstructions on the Mozambique coast as a tool to understand human evolution: from modern analogues to borehole interpretation. European Geosciences Union General Assembly, Vienna, Austria, Geophysical Research Abstracts Vol. 19, EGU2017-8548. URL: <http://meetingorganizer.copernicus.org/EGU2017/EGU2017-8548.pdf>
- Gomes, A.**, Boski, T., Moura, D., Szkornik, K., Witkowski, A., Connor, S., Laut, L., Sobrinho, F., Oliveira, S., 2017. Modern diatom assemblages as tools for paleoenvironmental reconstruction: a case study from estuarine intertidal zones in Southern Iberia. European Geosciences Union General Assembly, Vienna, Austria, Geophysical Research Abstracts Vol. 19, EGU2017-7156. URL: <http://meetingorganizer.copernicus.org/EGU2017/EGU2017-7156.pdf>
- Oliveira, S., Moura, D., Horta, J., Nascimento, A., **Gomes, A.**, Veiga-Pires, C., 2016. Morphosedimentary behaviour of a headland-beach system: Measuring sediment transport and bed disturbance with fluorescent tracers. In CIMA Day, 4th of May, University of Algarve.
- Haws, J., Benedetti, M., Bicho, N., Gonçalves, C., Cascalheira, J., Raja, M., Zinsious, B., Carvalho, M., Skosey-LaLonde, E., Benedetti, I., Marreiros, J., Pereira, T., **Gomes, A.**, 2016. Stone Age Archaeology and Quaternary Landscapes in Southern Mozambique. GSA Annual Meeting, Denver, Colorado, USA. DOI: [10.1130/abs/2016AM-286535](https://doi.org/10.1130/abs/2016AM-286535)
- Gomes, A.**, Haws, J., Bicho, N., Gonçalves, C., Cascalheira, J., Zinsious, B., Skosey-LaLonde, E., Benedetti, I., Benedetti, M., Carvalho, M., Raja, M., 2016. The Stone Age in Vilankulos: Investigation of the origin of Modern Human south of Save River, Mozambique. III Show of Science and Technology Projects, Tavira.
- Connor, S.E., **Gomes, A.**, Haberle, S., van der Knaap, W.O., Kuneš, P., van Leeuwen, J.F.N., Lewis, T., Piva, S., Porch, N., 2016. Lost ecosystems of Corvo Island, Azores. Island Biology 2016, Angra do Heroísmo, Portugal, pp 217. URL: https://www.researchgate.net/publication/306345233_Lost_ecosystems_of_Corvo_Island_Azores
- Gomes, A.**, Boski, T., Moura, D., Szkornik, K., Connor, S., Witkowski, A., Laut, L., Sobrinho, F., 2016. Discovering the invisible wealth of the Arade estuary: diatoms and their ecological distribution. Arade Journeys, Portimão, Portugal. URL: [https://www.researchgate.net/publication/297717038_A_descoberta_da_riqueza_invisivel_do_estuario_do_Arade_e_as_diatomeas_e_a_sua_distribuicao_ecologica](https://www.researchgate.net/publication/297717038_A_descoberta_da_riqueza_invisivel_do_estuario_do_Arade_as_diatomeas_e_a_sua_distribuicao_ecologica)

- Boski, T., Angulo, R., Souza, M.C., **Gomes, A.**, 2015. Programming of the Sandbars and the Evolution of the Coastal Lagoon in ITAPOA (SC) During the Holocene. XV Congress of the Brazilian Association of Quaternary Studies, Imbé and Tramandaí, Rio Grande do Sul.
- Boski, T., Bezerra, Francisco, H.R., Statteger, K., Vital, Helenice., Lima-Filho, F. P., Maia, R. P., Sousa, A., **Gomes A.**, 2015. Sea level rise during the last 10 KA inferred from the sedimentary record of the Potengi-Jundiá estuary (RN). XV Congress of the Brazilian Association of Quaternary Studies, Imbé and Tramandaí, Rio Grande do Sul.
- Boski T., Barbosa, M.E. F., Bezerra, F.H.R., Lima-Filho, F. P., Maia, R. P., Sousa, A., **Gomes, Ana I.**, 2015. Rapid migration of the coastline and sedimentary fill of the Açú River Estuary (RN). XV Congress of the Brazilian Association of Quaternary Studies, Imbé and Tramandaí, Rio Grande do Sul.
- Gomes, A.**, Boski, T., Moura, D., Szkornik, K., Connor, S., Witkowski, A., 2015. The Holocene history of the Guadiana estuary as told by diatoms and chrysophyte cysts. VIII Symposium of the Iberian Atlantic Margin, Málaga, Spain, pp. 297-300. URL: http://www.researchgate.net/publication/282335347_The_Holocene_history_of_the_Guadiana_estuary_as_told_by_diatoms_and_chrysophyte_cysts
- Sousa, C., Boski, T., Pereira, L., **Gomes, A.**, 2015. Holocene reconstruction of the depositional record and sea level rise in the Ria Formosa barrier system, Portugal. VIII Symposium of the Iberian Atlantic Margin, Málaga, Spain, pp. 321-324. URL: http://www.researchgate.net/publication/282335440_Holocene_reconstruction_of_the_depositional_record_and_sea_level_rise_in_the_Ria_Formosa_barrier_system_Portugal
- Lira, C., Ribeiro, M., Bosnic, I., Oliveira, S., Horta, J., Nascimento, A., **Gomes, A.**, Moura, D., 2015. MOSES Project: first results of an in situ prompt method to detect fluorescent tracer. VIII Symposium of the Iberian Atlantic Margin, Málaga, Spain, pp. 397-400. URL: http://www.researchgate.net/publication/282335529_MOSES_Project_first_results_of_an_in_situ_prompt_method_to_detect_fluorescent_tracer
- Moura, D., Veiga-Pires, C., Oliveira, S., Horta, J., Nascimento, A., **Gomes, A.**, Guerra, L., 2015. Hydro-sedimentary processes in a beach-headland system. 31st IAS Meeting of Sedimentology, Kraków, Poland, pp. 360. URL: https://www.researchgate.net/profile/Ana_Gomes58/contributions.
- Oliveira, S., Horta, J., **Gomes, A.**, Guerra, L., Nascimento, A., Veiga-Pires, C., Moura, D., 2015. Longshore drift in crenulated coasts: evaluation using tracers. 3rd Conference about Coastal and Estuarine Morphodynamics, Faro, Portugal, pp. 63-64. URL: www.research.pt/aigomes/oliveira_et_al_2015_mec.pdf
- Oliveira, S., Horta, J., Nascimento, A., **Gomes, A.**, Veiga-Pires, C., Moura, D., 2015. Moving sands along a headland-embayed beach system (Algarve, Southern Portugal). European Geosciences Union General Assembly, Vienna, Austria, Geophysical Research Abstracts Vol. 17, EGU2015-11129. URL: <http://meetingorganizer.copernicus.org/EGU2015/EGU2015-11129.pdf>
- Oliveira, S., Boski, T., Moura, D., Sousa, C., **Gomes, A.**, Pereira, L., 2014. Interactive multimedia application of Ria Formosa (Portugal) for educational purposes (FORDID). IX National Geological Congress and 2nd Geological Congress of Portuguese Speaking Countries, Porto, Portugal, pp. 206. URL: www.research.pt/aigomes/IXCNG-sonia%20et%20al.,%202014%20CNG.pdf
- Oliveira, S., Boski, T., Moura, D., Sousa, C., **Gomes, A.**, Pereira, L., 2014. O153F - Multimedia application of Ria Formosa and its educational purposes (ForDid). XV National Meeting of Science Education, ISBN: 978-989-20-4826-0, pp. 114-115. URL: https://sapientia.ualg.pt/bitstream/10400.1/4208/4/XVENEC_resumos5_versaoISBN_Correto.pdf
- Gomes, A.**, Boski, T., Moura, D., Szkornik, K., Witkowski, A., Connor, S., Jacob, J., Gabriel, S., Horta, J., Camacho, S., 2014. Sedimentological and physico-chemical characterization of intertidal zones in the Arade Estuary (Southern Portugal). 3rd Journey of Hydrographic Engineering, Hydrographic Institute, Lisboa, ISBN: 978-989-705-073-2, pp. 285-288. URL: <http://www.hidrografico.pt/jornadas2014.php>
- Oliveira, S., Boski, T., Moura, D., Sousa, C., **Gomes, A.**, Pereira, L., 2013. Interactive multimedia application of Ria Formosa (Portugal) for educational purposes (FORDID). CONFIA 2013 - International conference in Illustration and Animation, Polytechnic Institute of Cávado and Ave, IPCA, ISBN:978-989-97567-6-2, pp. 59-66. URL: http://www.confia.ipca.pt/files/confia_2013_proceedings.pdf
- Gomes, A.**, Boski, T., Moura, D., Szkornik, K., Connor, S., 2013a. Palaeoenvironmental evolution of the Guadiana estuary (Southern Iberian Peninsula): a diatom-based study. VIII Iberian Quaternary Meeting, La Rinconada – Seville, Spain, ISBN: 978-84-6955-8601-3, pp. 108-112. URL: <http://research.pt/dmoura/Gomes%20et.%20al,%202013b.pdf>
- Gomes, A.**, Pereira, L., Boski, T., Moura, D., Connor, S., Sousa, C., Oliveira, S., Santana, P., 2013b. A diatom and foraminifera record from the Ria Formosa Lagoon (SW Iberian Peninsula): its contribution to understanding the Lagoon's Holocene evolution. VIII Iberian Quaternary Meeting, La Rinconada – Seville, Spain, ISBN: 978-84-6955-8601-3, pp. 259-262. URL: <http://research.pt/dmoura/Gomes%20et.%20al%202013a.pdf>
- Pereira, L., **Gomes, A.**, Boski, T., Sousa, C., Szalaj, D., Connor, S., 2013. The Holocene palaeoenvironmental reconstruction of Ria Formosa Lagoon system (SW Iberia Peninsula): Foraminifera-based study. VIII Iberian Quaternary Meeting, La Rinconada – Seville, Spain, ISBN: 978-84-6955-8601-3, pp. 250-253. URL: <http://research.pt/aigomes/1%20pereira%20et%20al%202013.pdf>

- Boski, T., Moura, D., Sousa, C., **Gomes, A.**, Pereira, L., Oliveira, S., Santana, P., 2013. Sea level change in the Gulf of Cadiz during the late Pleistocene and Holocene. VIII Iberian Quaternary Meeting, La Rinconada – Seville, Spain, ISBN: 978-84-6955-8601-3, pp. 165-168. URL: <http://research.pt/dmoura/Boski%20et%20al.,%202013.pdf>
- Sousa, C., Boski, T., **Gomes, A.**, Pereira, L., Lampreia, J., Oliveira, S., 2013. Holocene history of Ria Formosa coastal Lagoon system (Southern Portugal): borehole evidence and three dimensional palaeotopography. VIII Iberian Quaternary Meeting, La Rinconada – Seville, Spain, ISBN: 978-84-6955-8601-3, pp. 254-258. URL: <http://research.pt/aigomes/2%20sousa%20et%20al%202013.pdf>
- Witkowski, A., Barka, F., Gusev, E., Trobajo, R., Mann, D.G., Dabek, P., **Gomes, A.I.**, Gorecka, E.I., Krzywda, M., Desrosiers, C., 2013. Reassessment of *Simonsenia* (Bacillariophyceae) from Morphology and Molecular Phylogenetic Data Suggests a Relationship to *Pseudonitzschia*. 10th International Phycological Congress, Orlando, USA, pp. 179-180. URL: <http://ipc10.intphycsoc.org/>
- Boski, T., Sousa, C., Oliveira, S., **Gomes, A.**, 2013. Didactic multimedia platform with applications for coastal planning. III BRASPOR Meeting, Ponte de Lima, Portugal. URL: http://www.redebraspor.com/wpcontent/uploads/2013/10/braspor2013_resumos_c.pdf
- Gomes, A.**, Boski, T., Moura, D., Szkornik, K., Connor, S., Laut, L., Silva, F., 2012. The study of diatoms in surface sediments for estuarine palaeoenvironmental reconstructions. VII Symposium on the Iberian Atlantic Margin, Lisboa, Portugal, ISBN: 978-989-20-3448-5, pp. 51-52. URL: <http://research.pt/dmoura/Gomes%20et%20al.,%202012.pdf>
- Sousa, C., Boski, T., **Gomes, A.**, Pereira, L., Lampreia, J., Oliveira, S., 2012. Pre-Holocene 3D surface modeling: Ria Formosa coastal lagoon reconstruction. VII Simpósio sobre a Margem Ibérica Atlântica, Lisboa, Portugal, ISBN: 978-989-20-3447-8, p. 53. URL: <http://research.pt/aigomes/3%20sousa%20et%20al%202012.pdf>
- Boski, T., Sousa, C., Pereira, L., Sampath, D., Moura, D., Connor, S., **Gomes, A.**, Santana, P., Duarte, D., 2012. The last 13,5 ky cal BP at the littoral fringe of Algarve. VII Symposium on the Atlantic Iberian Margin, Lisboa, Portugal, ISBN: 978-989-20-3447-8, p. 54. URL: <http://research.pt/dmoura/Boski%20et%20al.,%202012.pdf>
- Mentzingen, L., Laut, L., Clemente, I., Silva, F., Laut, V., Boski, T., **Gomes, A.**, Rodrigues, M., 2011. Ostracods of the Guadiana river estuary, South Iberia Peninsula. XXII Brazilian Congress of Palaeontology, Natal, Brasil, ISBN: 978-85-7193-273-9, pp. 325-331. URL: <http://research.pt/aigomes/4%20Mentzingen%20et%20al%202011.pdf>
- Boski, T., Bezerra, F.H.R., Pereira, L., Lima-Filho, F.P., Maia, R.P., Paulino, A.C.S., **Gomes, A.I.**, 2011. Post-glacial sea-level rise record on the Pontegi River Estuary, RN, Brazil. XIII ABEQUA Congress - The South American Quaternary: Challenges and Perspectives, Armação dos Búzios, RJ, Brazil. URL: http://www.abequa.org.br/trabalhos/Boski_et_al.pdf
- Sampath, D.M.R., Loureiro, C., Boski, T., **Gomes, A.I.**, 2009. Morphological Evolution of the Guadiana Estuary Under Changing Sea Level: Consideration of Past Trends for Future Evolution Forecast. *In*: Boski, T., Moura, D., Gomes, A., (Eds). VII Iberian Quaternary Meeting, The future of the Iberian environment – lessons from the recent geological past, Abstract Book, CIMA, Faro, pp. 277-282. URL: <http://research.pt/aigomes/5%20Sampath%20et%20al%202009.pdf>

PARTICIPATION IN EDITORIAL BOARDS:

- Gomes, A.**, Gonçalves, C., André, L., Bicho, N., Boski, T., 2017. Changes in environmental systems and their time scales - Abstract Book of the IX Iberian Quaternary Meeting, 19-23 October, Faro, Universidade do Algarve, 178 p. ISBN 978-989-8859-20-4, <http://hdl.handle.net/10400.1/10066>
- D. Moura, **A. Gomes**, I. Mendes, J. Aníbal, 2017. Guadiana River Estuary - Investigating the past, present and future. Centre for Marine and Environmental Research (CIMA), University of Algarve, Faro, ISBN: 978-989-8859-18-1, 140 pp. DOI: <http://hdl.handle.net/10400.1/9887>
- Gomes, A.**, Boski, T., Moura, D., 2009. 7th Iberian Quaternary Meeting – The future of the environment of the Iberian Peninsula: lessons of the recent geological past, Field Guide, CIMA, Faro, ISBN: 978-989-95636-5-0, 74 pp. URL: www.research.pt/aigomes/Field_Guide_REQUI_2009.pdf
- Boski, T., Moura, D., **Gomes, A.**, 2009. 7th Iberian Quaternary Meeting –The future of the environment of the Iberian Peninsula: lessons of the recent geological past, Abstract Book, CIMA, Faro, ISBN: 978-989-95636-4-3, 317 pp. URL: www.research.pt/aigomes/livro_de_resumos_REQUI_2009.pdf

TECHNICAL REPORTS

Report requested by COMPASAL - Companhia Salineira do Algarve, Lda.:

- Boski, T., Garel, E., **Gomes, A.**, Pereira, L., 2015. Study of the factors controlling the salinity in the Carrasqueira creek - Guadiana estuary. Centre for Marine and Environmental Research, University of Algarve, Portugal, 23 pp. URL: https://www.researchgate.net/publication/278390290_Estudo_dos_fatores_de_controle_da_salinidade_no_esteiro_da_Carrasqueira -

INVITED ORAL PRESENTATIONS:

- Gomes, A.**, Moura, D., Boski, T., Witkowski, A., Szkornik, K., 2016. Estuarine diatoms and their role in the valorization of the natural heritage and of the ecosystems services. "Know the Salgados Lagoon Science - Researcher bring science to citizens" Seminar, Albufeira Municipal Library, Albufeira, Portugal.
- Gomes, A.**, Haws, J., Bicho, N., Gonçalves, C., Cascalheira, J., Zinsious, B., Skosey-LaLonde, E., Benedetti, M., Benedetti, I., Carvalho, M., Raja, M., 2016. An Adventure In Mozambican Lands - Stone Age Vilankulos: Modern Human Origins Research south of the Rio Save, Mozambique. CIMA's RN3 presentations, University of Algarve, Faro, Portugal.
- Gomes, A.**, 2014. A 10,000 years' chronicle of the Algarve as recorded by diatoms. University of Algarve, Faro, Portugal.
- Gomes, A.**, 2013. ERASMUS – More than a training, an experience.... Seminar Cycle "Creativity: Knowledge and Skills" and "Creativity: Efficiency and Competitiveness". University of Algarve, Faro, Portugal.
- Boski, T., **Gomes, A.**, 2013. Guadiana - contributions of science to a systemic approach in joint heritage management on the Spain-Portugal border. III Transboundary Workshop, Project I2TEP - Research and Spain-Portugal transboundary transfer, University of Algarve, Faro, Portugal.
- Gomes, A.**, Gabriel, S., Infantini, L., Marreiros, J., 2011. Looking for submerged archaeological targets: first steps in a geoarchaeological study. A contribution to COST ACTION TD0902: SPLASHCOS, Working Group 2 (Environmental Data and Interpretation), Berlin, Germany. URL: <http://splashcos.org/events/splashcos-berlin-meeting-april-2011>.
- Moura, D., **Gomes, A.**, Gabriel, S., Flemming, N., 2011. Environmental variables. A contribution to COST ACTION TD0902: SPLASHCOS, Working Group 2, Berlin, Germany, URL: <http://splashcos.org/events/splashcos-berlin-meeting-april-2011>.