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Associate Professor H – index: Scopus 11; Google Scholar: 15; i10-index 18

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Research Interests

- **PALAEOECOLOGY, PALEOCEANOGRAPHY, PALAEOCLIMATOLOGY:**

The palaeoceanographic and paleoenvironmental research is devoted to interpreting the changes in the calcareous nannoplankton assemblages, linked to Pleistocene-Holocene paleoclimatic events. The areas investigated are in the Mediterranean Sea, the Atlantic Ocean, and the Antarctic.

- **PROTECTION AND ENHANCEMENT OF PALEONTOLOGICAL HERITAGE**

The research on paleontological heritage is dedicated to improving the actions of protection of this heritage and enhancing the education activity, developing a greater consciousness about the peculiarities of the heritage of geo-paleontological resources and proposing them as "driver elements" for the enhancement (also from a tourist point of view) of territories in the internal areas of southern Italy.

- **BIOSTRATIGRAPHY:**

The biostratigraphic research is focused on the analysis of the calcareous nannoplankton assemblages of the central and southern Apennines. This research provides the biostratigraphic constraints of the cinematic evolution of the chain and identifies new and more useful bio-events for the Mediterranean area.

National Projects:

- PRIN 2022 INSITE – Integrated Shared Knowledge: From Geopaleontological Heritage To Present Territorial Challenges
- PON Project (2020-2023) "GEO-ARCHAEO Metodologie, strumenti e servizi innovativi per lo sviluppo del patrimonio culturale dei Geo – Archeo - Siti".
- Proiect PON (2012-2015) 01_02366: STRIT – Strumenti e Tecnologie per la gestione del Rischio delle Infrastrutture di Trasporto
- PRIN (2013-2016) "Previsione spazio-temporale di fenomeni franosi ad alto impatto nel quadro dei cambiamenti del regime delle piogge" Ministero dell'Istruzione dell'Università e della Ricerca
- CARG Project - Geological Map of Italy scale 1:50.000 analyst and chief scientist of the biostratigraphic analyses for the geological maps: Ariano Irpino, Sala Consilina, Avellino, San Giorgio la Molara, Trivento, Sorrento, Sapri, Policoro and Rotondella.

International Projects:

- INTEGRATED OCEAN DRILLING PROGRAM EXPEDITION PROPOSALS (2014) Co-proponent of IODP proposal 771 – Iberian Margin Depth Transect: Linking Marine, Ice-core and Terrestrial Records of Global Change
- Proyecto sobre Biostratigrafía de núcleos de ANH (Agencia Nacional de Hidrocarburos de Colombia) del sector Caribe. (1/1/18 to 31/7/2019)
- PASUR (2009-2012) CGL2009-08651 (subprograma BTE) "Eventos climáticos de frecuencia milenaria y submilenaria registrados durante los últimos 70.000 años en el Pacífico Ecuatorial y Suroriental" (ODP 202) Entidad financiadora: MICINN

Selected Papers

1. **AMORE** F.O., Argenio C., Fistola R., Messina M.Y., Rastelli A., Zingariello I., La Rocca R.A. (2025) The Paleontological Heritage as a Mean for Territorial Revitalization: Innovative Communication Modalities for Pietraroja Site (Southern Italy)
2. Argenio, C., Flores, J.A., Fuertes, M.A., Balestra, B., **AMORE**, F.O. (2023) Coccolithophore paleoproductivity since the Last Glacial Maximum in the Atlantic Ocean: Relationship with calcification and preservation variability. Quaternary International Journal, <https://doi.org/10.1016/j.quaint.2022.10.010>
3. **AMORE** F.O., Argenio C., Faranda C., Ferraro L., Gliozzi E., Magri D., Michelangeli F., Russo B., Siciliano J., Vallefucio M., Mauro A., Meo A., Senatore M.R. (2025) Sedimentological and biostratigraphic reconstruction of the Early Pleistocene San Giuliano Lake section (Matera, Southern Italy). Quaternary International Volumes 730–731,

4. **AMORE**, F.O., Argenio, C., Bartiromo, A., Belvedere, M., Dal Sasso, C. Eds (2022) XIX Annual Conference of the European Association of Vertebrate Palaeontologists, Benevento/Pietraroja, Italy, 27th June-2nd July 2022. Field Trip Guide 32 pp.
5. Argenio, C., Flores, J.A., Balestra, B., **AMORE**, F.O. (2021) Reconstructing Ocean surface dynamics over the last 25 kyr at "Shackleton Site" IODP - U1385. *Palaeogeography Palaeoclimatology Palaeoecology* 579, 110587. <https://doi.org/10.1016/j.palaeo.2021.110587>
6. V. Morra, G. Aiello, O. Amore, I. Arienzo, D. Barra, L. Cavassa, M. D'Antonio, A. De onis, C. Germinario, V. Guarino, C. Grifa, A. Langella, M. Mercurio (2020) Indagini archeometriche di carattere minero-petrografico su ceramiche da Pompei. L. Toniolo, M. Osanna (Eds.), *Fecisti Cretaria. Dal Frammento Al Contesto: Studi Sul Vasellame Ceramico Del Territorio Vesuviano. Studi e Ricerche Del Parco Archeologico Di Pompei* 40, L'Erma di Bretschneider, Rome (2020), pp. 41-47
7. Fistola, R., Rastelli, A., Pham, C., **AMORE**, F.O. (2020) Augmented reality for cultural heritage: a new dimension for the perceptual knowledge. *IOP Conference Series: Materials Science and Engineering*, 2020, 949(1), 012053
6. M. Martínez-Sánchez, M. Alonso Garcia, F. O. **AMORE**, J.A. Flores, E. Palumbo, F. Sierro (2019) Reconstruction of surface water dynamics in the North Atlantic during the Mid-Pleistocene (~540-400 ka) inferred by Coccolithophores and Planktonic Foraminifera. *Marine Micropaleontology*.
8. Palumbo E., Voelker A., Flores J.A., **AMORE** F. O. (2019) Surface-ocean dynamics during eccentricity minima: a comparison between interglacial Marine Isotope Stage (MIS) 1 and MIS 11c on the Iberian Margin. *Global and Planetary Change*, Vol. 172, 242-255.
9. Vitale S., **AMORE** F.O., Ciarcia S., Fedele L., Grifa C., Prinzi E.P., Tavani S, Tramparulo F. D. (2017). Structural, stratigraphic, and petrological clues for a Cretaceous–Paleogene abortive rift in the southern Adria domain (southern Apennines, Italy) DOI: 10.1002/gj.2919. *Geological Journal*, 1-22.
10. Vitale S., D'Assisi Tramparulo F., Ciarcia S., **AMORE** F. O., Prinzi E.P., Laiena F. (2016) The northward tectonic transport in the southern Apennines: examples from the Capri Island and western Sorrento Peninsula (Italy). *International Journal of Earth Sciences*, 1-17
11. Emanuele D., Ferretti P., Palumbo E., **AMORE** F.O. (2015) Sea-surface dynamics and palaeoenvironmental changes in the North Atlantic Ocean (IODP Site U1313) during Marine Isotope Stage 19 inferred from coccolithophore assemblages. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 430, 104–117

COMMUNICATIONS AT INTERNATIONAL AND NATIONAL MEETINGS (SOME OF MORE RECENT):

1. Argenio, C., Flores, J.A., Fuertes, M.A., Balestra, B., **AMORE**, F.O., 2022. IODP sites U1385 and U1313: coccolithophore calcification patterns from the Last Glacial Maximum to the Holocene. 18th International Nannoplankton Association (INA) Conference, Avignon, France, 2022. *Journal of Nannoplankton Research INA 18 abstracts*, The Sheridan Press, Hannover PA, USA. ISSN 1210-8049
2. Argenio, C., Flores, J.A., Fuertes, M.A., Balestra, B., **AMORE**, F.O., 2022. Nannoplankton assemblages over the last 25 kyr: paleoproductivity and surface ocean dynamics from IODP sites U1385 and U1313 Carmina B., Fascio L., Innamorati G., Pasero M. & Petti F.M. (a cura di). *Geosciences for a sustainable future. Congresso congiunto della Società Geologica Italiana (SGI) e della Società Italiana di Mineralogia e Petrologia (SIMP) 2022*, Torino. Abstract Book. 1280 pp. <https://doi.org/10.3301/ABSGI.2022.02>
3. Argenio, C., Flores, J.A., Fuertes, M.A., Balestra, B., Cerulo, L., Cachão, M., **AMORE**, F.O., 2022. Reconstructing the Surface Ocean Dynamics over the last 25 kyr in the Iberian Margin and North Atlantic: the Coccolithophore Contribution. AGU Fall Meeting 2022, Chicago, 12-16 December 2022
4. Fistola, R., Fabbri, F., Rastelli, A., Zingariello, I., Pepe Muzzurru, G., Messina, M.Y., Giordano, A., Argenio, C., **AMORE**, F.O., 2022. A room of Ciro's own - building a hybrid digital paleo space. In: Belvedere M., Mecozzi B., Amore O., Sardella R (eds.). *Abstract book of the XIX Annual Conference of the European Association of Vertebrate Palaeontologists*, Benevento/Pietraroja, Italy, 27th June-2nd July 2022. *PalaeoVertebrata, Special Volume 1-2022*, 224. Doi: 10.18563/pv.eavp2022
5. La Rocca, R.A., Argenio, C., **AMORE**, F.O., 2022. Agire per il patrimonio: risorse geopaleontologiche pianificazione territoriale una sfida per i territori interni della Campania. XXIV Conferenza Nazionale SIU

2022 Brescia | 23-24 giugno 2022, Dare valore ai valori in urbanistica | Worthing values for urban planning. Sessione 8: Agire sul patrimonio,

https://www.societaurbanisti.it/content/uploads/2021/11/SIU2022_Programma_DEF.pdf

6. **AMORE**, F.O., Argenio, C., La Rocca R.A., 2021. Geo-paleontological heritage and regional planning as drivers of territorial challenges. Rossi V., Fanti F., Barbieri G., Cavalazzi B. & Scarponi D. (Editors) 2021. Paleodays 2021. Abstract Book del XXI Convegno della Società Paleontologica Italiana, live virtual edition: 127 pp. University of Bologna, Bologna (Italy). DOI:10.5281/zenodo.4983943

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