

CHIARA AMADORI [she/her]
chiara.amadori@unipv.it
amadorichiara88@gmail.com

PERSONAL INFO

Current affiliation: University of Pavia, Department of Earth and Environmental Sciences, Via Adolfo Ferrata 1, 27100 Pavia (PV), Italy.

Driving license: car driving license

Language: Italian: native; English: **IELTS 7.5, C1**; Spanish: good understanding.

ORCID: 0000-0002-7220-442X

SCOPUS: 57203394050

ResearchGate: <https://www.researchgate.net/profile/Chiara-Amadori>

Google Scholar: <https://scholar.google.com/citations?hl=it&user=op2OwFgAAAAJ>



CURRENT POSITION AND TASKS

- Research Fellow, from the 1st of July 2022 to the 30th of June 2024.
- Responsible for the Basin Analysis course within the Master's degree program Geosciences for Sustainable Development, from 2019 to 2023.
- Since 2022, head and manager of Apatite Fission Track Laboratory (LAIFT). The lab is functioning and available for student teaching, research, scientific training and services to companies.

SKILLS AND EXPERTISE

- Stratigraphic correlation by integrating surface and subsurface data.
- Reconstruction and Modelling of sedimentary sequences: 1D, 2D and 3D.
- Low-T thermochronology: heavy mineral separation, sample preparation, apatite fission-track analysis (by EDM), and Time-temperature modeling.
- Management and event organizer, for research and teaching activities.

CURRENT ACTIVE PROJECTS

- Thermochronology of the Sardinian Tyrrhenian margin: erosion and Exhumation during Messinian Salinity Crisis: **PI: C. Amadori**, In collaboration with Dr. Cardello and Prof. Casini from Univ. Sassari (Italy) and prof. Persano and Dr. Windman from univ. Glasgow (UK).
- Cyclostratigraphy of the Pleistocene deposits in the Venetian Basin: **PIs:** Dr. Ghielmi from ENI S.p.A. and **C. Amadori**.
- **PhD Co-supervisor** with prof. Magdala Tesaro (University of Trieste) of the project Thermo-physical characterization and evaluation of the geothermal potential of the area around the Western Alps-Apennines tectonic limit. 2024-2027. In collaboration with IFPEN, Paris (France).

1

CV of Chiara Amadori

amadorichiara88@gmail.com

chiara.amadori@unipv.it

I hereby authorize the use of my personal details solely for circulation within the company in relation to the Italian Legislative Decree n° 196/2003

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

- Investigating the effects of a novel analytical method on Moisture and Density estimates: porosity correction of basement rocks from the South Atlantic Transect (X390-393)". **PI: C. Amadori**. Collaborators: C. Robustelli Test (Univ. Turin, Italy), R. Coggon and D. Teagle (Univ. South Hampton, UK), Michelle Harris (Univ. Plymouth, UK).
- The origin and evolution of crustal magnetic signature at the Mid-Atlantic Ridge: The influence of prolonged low-temperature interaction with seawater in slow- to intermediate spreading ridges. **PI: Dr. Claudio Robustelli Test** (univ. Torino). Collaborators: **C. Amadori**, T. Belgrano (univ. College of Dublin).

EDUCATION

- **Research Fellow** at Det. Earth of Environmental Sciences, University of Pavia, from 1st July 2022 to 30th June 2024.
- **Post-doctoral fellow and Adjunct professor** from 1st April 2018 to 30th June 2022 at the Department of Earth and Environmental Sciences, University of Pavia.
- **Ph.D. in Geology** (Stratigraphy and Basin Analysis). 30th Cycle, University of Pavia. Grant funded by the Department of Earth and Environmental Sciences of the University of Pavia. Dissertation on February 22nd, 2018. Title: "3D Architecture and evolution of the Po Plain-Northern Adriatic Basin since the Messinian Salinity Crisis through Pliocene-Pleistocene time". In partnership with Eni Upstream (San Donato, Italy). Advisers: Profs. A. Di Giulio (Unipv) and G. Toscani (Unipv). Co-Adviser: Dr. D. Garcia-Castellanos (GEO3BCN-CSIC, Spain).
- **Master degree** in Geology, July 22nd, 2014. Final mark: 110/110 cum laude. "Integrated HIREs of the pre-evaporitic Early Messinian event at the Majella Mt., central Apennines, Italy." Roma Tre University, Science Department, Italy. Adviser: Prof. D. Cosentino (Univ. Roma Tre). Co-Advisers: Prof. P. Cipollari (Univ. Roma Tre), Prof. A. Caruso (Univ. Palermo), Dr. F. Florindo (INGV, Rome).
 - I have performed stratigraphic high-resolution analysis and cyclostratigraphy using XRD bulk from pressed powder mounts, SEM analysis of forams and ostracods, magnetic susceptibility of discrete samples, and calcimetry. Results presented in national congress.
- **Bachelor degree** in Geology, July 22nd, 2011. Final mark: 110/110 cum laude. "Geological Mapping (scale of 1:10'000) of Ernici Mountains, Veroli area (central Apennines, Italy)" and "Palaeontological analysis: Ostracofauna of the Çankiri Basin (Turkey)". Roma Tre University, Science Department, Italy. Advisers: Prof. M. Parotto, Prof. E. Gliozzi (Univ. Roma Tre). Co-Adviser: G. Cavinato (CNR, Roma).
- **High-School Diploma** at Liceo Scientifico "Sandro Pertini", Piano Nazionale Informatico, in Ladispoli (RM), July 2007, vote 92/100.

RESEARCH ACTIVITY ABROAD

- **~7 weeks** (November 2023 and January 2024). Visiting Research Fellow at the University of Glasgow (UK) and SUERC laboratory, supervised by Prof. Cristina Persano and Dr. Mark Wildman. Topic: samples sample processing for Apatite Fission Track Analysis and U-Th/He dating, performed at SUERC (Scotland, UK).
- **~5 weeks** (16 July to 19 August 2023). Expedition “Blake Plateau MCS cruise” to study the passive margin of the western Central Atlantic Ocean, onboard the R/V Marcus Langseth as Research Specialist. Ports: Port Canaveral and Florida Charleston, South Carolina, USA. Chief scientists: Harm Van Avendonk (PI) and Nathan Bangs (University of Texas), Anne Bécel (Lamont-Doherty Earth Observatory, Columbia University, NY).
 - 8 hour/day as a watcher and scientist.
 - I performed seismic processing using Paradigm: stacking, muting, and interval velocity picking.
- **1 week** (15-23 January 2023). X393 Sediment Sample Party, new Shear Strength Automatic Vane (AVS) and Compressional Strength analyses on sediment cores from Exp. 393, Site U1559. at MARUM - Zentrum für Marine Umweltwissenschaften der Universität Bremen (Germany). Analyses in collaboration with and requested by Julia S. Reece (co-chef on X393).
- **~3 weeks** (7-30 November 2022) at the Resolution Science Operator, International Ocean Discovery Program, Texas A&M University, College Station (Texas, USA). X393 Basement Sample Party and Editorial Meeting as the Physical Property Specialist and Stratigraphic Correlator and XRF scan of sediment cores from Exp. 390/393.
- **2 months** (7 June-7 August 2022) IODP Expedition 393 – South Atlantic Transect II, onboard the JOIDES Resolution as Physical Properties Specialist/Stratigraphic Correlator. Port: Cape Town, South Africa.
 - The physical properties were measured on whole-round, section halves, and discrete sample using Vp logger, X-ray core scanner, Gamma-ray core scan, moisture and density analyses with gas pycnometer, Magnetic Susceptibility passing-loop system, thermal conductivity, strength measurement using Automated Vane Shear and pocket penetrometer.
 - Weekly written reports and oral presentations, and extended Site written reports.
- **~7 months** (2nd February to 15th August 2019) .Visiting Post-Doctoral Research Fellow at the University of Arizona (Tucson, AZ, USA), supervised by Prof. Barbara Carrapa.
 - I performed AFT analyses on several detrital and crystalline samples after the whole preparation and irradiation. Results are published in Amadori et al., 2023, and Jepson et al., 2022.
- **~4 months** (October 2018-January 2019). Visiting Post-Doctoral Research Fellow at University of Padua (Padua, Italy), supervised by Prof. Massimiliano Zattin. Topic: Apatite Fission Track Analysis.

- I have learned to perform heavy mineral separation, sample preparation for AFT analysis and fission-track dating.
- **~3 months** (November 2015-January 2016). Visiting Doctoral Student at ICTJA-CSIC (Barcelona, Spain), supervised by. Dr. Daniel Garcia-Castellanos. Topic: backstripping-flexural numerical modeling.
 - Results are published in Amadori et al. 2018.

GRANTS, AWARDS and SCHOLARSHIPS

1. **Award.** The best publication in Sedimentary Geology for 2021-2023, assigned by the Italian Geological Society (SGI). The winning paper is Amadori et al. (2023), <https://doi.org/10.1111/bre.12752>. 500 EUR prize and a free annual SGI membership.
2. **Grant.** IAS (International Association of Sedimentologists) sponsored 10 travel grants (~3000 EUR) for the participants of the International Winter School “Dynamics and Sedimentary Systems of Collisional Zones”, which I organized and led from 2nd to 6th October 2023 in Pavia, Italy.
3. ECORD **grant** for outstanding Early Career researchers 2023, 3000 EUR. June 2023.
 Project Title: “Investigating the effects of a novel analytical method on Moisture and Density estimates: porosity correction of basement rocks from the South Atlantic Transect (X390-393)”. **PI: C. Amadori**. Main collaborators: C. Robustelli Test (Univ. Turin, Italy), R. Coggon (Univ. South Hampton, UK), Michelle Harris (Univ. Plymouth, UK).
4. Travel **Grant** for the ECORD Training Course “The Shipboard Simulation Experience”, 13-17 March 2023 at MARUM, University of Bremen, Germany. Travel grant (~800 EUR) provided by IODP-Italia.
5. **Grant** of 20'000 Euro by IODP-Italia for cruise and post-cruise activities and research connected to Expedition 393.
6. **Award.** Basin Research (Wiley) outstanding reviewer 2020-21.
<https://onlinelibrary.wiley.com/doi/epdf/10.1111/bre.12657>
7. **Acknowledgement.** Amadori et al. 2019 as Top downloaded paper 2018-2019 in Basin Research (Wiley).
8. **Grant** of the University of Pavia for the organization of International Winter School 2019/2020. Funds received >8k Eur.
9. **Award.** 26th “Gustavo Sclocchi” Thesis Award 2018, for the best PhD thesis in Engineering, Geo-Sciences and Energy industry related discipline. Prize (2400 EUR) provided by SPE (Society of Petroleum Engineers – Italian Section), EAGE (European Association of Geoscientists & Engineers), and Assomineraria (Italian Petroleum and Mining Industry Association - Hydrocarbon and Geothermal Resources Sector).
10. Travel **Grant** for the training school in “Seismic interpretation applied to salt basins in different geodynamic settings”. Organizing Committee: Andrea Moscariello, Alexandros Konstantinou, Claudia

Bertoni, Daniel Garcia-Castellanos. Department of Engineering, University of Nicosia, Nicosia, Cyprus, September 11-15, 2017 equals to 3 CFU/ECTS credits. ID: ECOST-TRAINING_SCHOOL-CA15103-110917-085721.

11. Travel **Grant** for the training school in “Advanced Training School on Sustainable Blue Growth in Mediterranean and Black Sea countries”. Provided by Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS), Trieste. July 4-8, 2016.
12. 3 years PhD **Scholarship** at Det. Earth of Environmental Sciences, University of Pavia, 2014-2017. Accepted.
13. 3 years PhD **Scholarship** at DiSTAR “Det. of Earth, Environmental and Resources Sciences”, University of Naples (Italy), 2014-2017. Grant not-accepted.
14. Student **scholarship** by Roma Tre University, for a working period of 150 hours at the Laboratory of Vertebrate Paleontology (RomaTre University), under the supervision of Prof. Anastassios Kotsakis, 2012.
15. Student **scholarship** by Roma Tre University, for a working period of 150 hours at the Laboratory of Mineralogy (Roma Tre University, Science Dep.), under the supervision of Prof. Giancarlo Della Ventura, 2010.

ORGANIZATION OF NATIONAL AND INTERNATIONAL EVENTS: tot 10

1. **Head organizer and lecturer** for the International Winter School “Dynamics and Sedimentary Systems of Collisional Zones”, 20h lecture and 3.5h practice (5.5 CFU/ECTS). 2-6 October 2023. Funded by the University of Pavia (2500 EUR). 2-6 October 2023, University of Pavia. Co-organizer: prof. Giovanni Toscani. Lectures: Chiara Amadori (3h) and Giovanni Toscani (1.5h) (Univ. of Pavia, Italy), Francesco Maesano (1.5 h) (INGV, Roma, Italy), Barbara Carrapa (2h) and Peter DeCelles (2h) (Univ. of Arizona, USA), Sebastián Castelltort (3h) (Univ. of Geneva, Swiss), Paolo Ballato (3h) (Univ. RomaTre, Italy), Pietro Sternai (3h) (UnivMIB, Italy). 23 students attended from EU, UK and Asia.
2. **Chairman** for “TS4.1 - From depth to surface and from surface to depth: mantle dynamics, tectonics and surface processes interactions in orogen – sedimentary basin systems and their applications”. EGU General Assembly 2023. Conveners: Attila Balázs (ETH), Pietro Sternai (unimib), Yanyan Wang (ETH), Silvia Crosetto (GFZ), Sabrina Metzger (GFZ, Potsdam, Germany) and Silvia Tamburelli (unipv). Wien (Austria) 23-28 April 2023.
3. **Co-organiser** of the international congress of thermochronology “THERMO2023”, 3-9 September 2023, Riva del Garda (Italy). Committee: Massimiliano Zattin, M. Laura Balestrieri, Barbara Carrapa, M. Giuditta Fellin, Cristina Persano, Marco Malusá, Valerio Olivetti and Chiara Amadori.

4. **Convener** for "TS10.2 Tectono-thermal evolution of fossil and active sedimentary basins" in the EGU General Assembly 2022. Convener: Thomas Gusmeo. Co-conveners: Achraf Atouabat, Andrea Schito, Amanda Vergara, Chiara Amadori. Vienna (Austria) 3-8 April 2022.
5. **Convener** for "S5: Adria Plate" session organization in the 90th Congress the Italian Geological Society (SGI). Trieste, September 14-16, 2021. Chairpersons: Vanja Kastelic (INGV), Enrico Serpelloni (INGV), Chiara Amadori (University of Pavia), Igor Vlahovic (University of Zagreb), Josip Stipcevic (University of Zagreb).
6. **Co-chairperson** with the SGI Division "Pangea" for panel discussion on gender equality in Geoscience. Ph.D Day pre-Congress event of the 90th Congress of the Italian Geological Society (SGI). Trieste, September 13, 2021.
7. **Organizer and teaching assistant** to the workshop "Scientific Writing" held by Prof. Cristina Persano, University of Glasgow. February the first, 2021 (online).
8. **Head-organiser** of the International Winter School "Thermal history of basin-source systems: techniques, modelling and applications", February 10-15, 2020. Scientific committee: Amadori C., Proff. Di Giulio A., and Toscani G. Funded by University of Pavia (8275 Euro), Earth and Environmental Sciences PhD program (500 Euro) and Eni (5000 Euro). >30 students attended from EU, Asia, Russia, UK.
9. **Co-organizer** of the post-meeting Field Trip to the Tertiary Piedmont Basin (Italy) related to 34th IAS Meeting of Sedimentology, Rome (Italy). Scientific committee: Di Giulio A., Marini M., Felletti F., Patacci M., Rossi M. and Amadori C. (2019) Control exerted by collisional tectonics on basin topography and depositional styles: the Tertiary Piedmont Basin in the Alps-Appennines Junction (NW Italy). In: M. Vigliotti, M. Tropeano, V. Pascucci, D. Ruberti, L. Sabato (Eds) Field Trips - GUIDE BOOK, September 10-13 2019, B2, 303-332. Associazione Italiana di Geologia del Sedimentario - GeoSed, Siena (Italy).

INVITED TALKS

1. **Amadori C.** “The role of mantle upwelling on the thermal history of the Tertiary-Piedmont Basin at the Alps-Appennines tectonic boundary” at the annual GeoSed meeting (Sedimentary Geology group of the Italia Geological Society). 30th November 2023 at University “La Sapienza”, Rome (Italy).
2. **Amadori C.** “The role of mantle upwelling the Alps-Appennines tectonic boundary”. Geosphere Cluster Seminar Special. 22nd November 2023 at University of Glasgow (UK).
3. **Amadori C.** “Sediments and basalts from the South Atlantic Transect, IODP Expedition 393” during OceanPV-Day. Organisers: Sanfilippo A., Tribuzio R., Ronchi A. On the 5th December 2022 at Department of Earth and Environmental Sciences, University of Pavia (Italy).
4. Agnini C. and **Amadori C***. The Italian Geological Society towards an equal and inclusive future. PhD day during the 90th Congress of the Italian Geological Society (SGI). Trieste (Italy), September 13th, 2021.
5. **Amadori C.** “Back to the Future, Geology edition” dedicated to students of the bachelor’s degree program in Earth Science. May 18th 2021 DiSTA, University of Firenze (Italy). Invited by Prof. Paola Vannucchi.
6. **Amadori C.** Fundamental and applied research: when University meets Industry. The Po Plain - Northern Adriatic basin evolution behind the oil. 26th May 2020 at University of Pavia (online). 0.25 CFU/ECTS credits.
7. **Amadori C.** and Di Giulio A. Margin architecture of the northernmost Mediterranean basin: the Messinian Erosion Surface in the Southern Alps and Northern Adriatic Sea. MEDSALT Final Symposium, 25th-27th February 2020, Piran (Slovenia).
8. **Amadori C.** Plio-Pleistocene 3D Architecture and evolution of the Po Plain-Northern Adriatic Foreland basin (Italy). Geosciences Department of the University of Arizona, Tucson (Arizona, USA). 6th June 2019.
9. **Amadori C.** Seminar for the Master’s degree course of Seismic interpretation for geological modelling on “3D modelling of a foreland basin” (2h), Invited by Prof. Giovanni Toscani. 29th March 2018.
10. **Amadori C.** Il bacino padano-nord adriatico: paleotopografia durante la crisi messiniana e architettura del riempimento Plio-Pleistocenico. 23rd February 2018. Invited by Eni E&P. San Donato Milanese (MI), Italy.

SELECTED CONFERENCE PARTICIPATIONS: tot 27, 15 as first author. Full list available on request.

1. H. J Van Avendonk, N. L. Bangs, A. Becel, S. Adams, **C. Amadori**, J.Y Chen, S. Evans, S. Gurcay, R. Li, A. Krysova, V. Obi, B. Osuagwu, A. Piña, T. Yakubu, S. Reichert, E. Zilis. Marine seismic study to investigate the formation of the rifted margins of the Carolina Trough and Blake Plateau. Board 0214. AGU23 abstract, talk,

2. Robustelli Test, C., **Amadori, C.**, Belgrano, T., Coggon, R., Evans, A., Harris, M., Jonnalagadda, M., Teagle, D., Zanella E & The South Atlantic Transect IODP Expedition 390 & 393 Scientists. Rock magnetic properties of MORB between 7 and 61 Ma along the South Atlantic Ridge Flank: Insights into changes in magnetic mineralogy related to low-temperature seawater-basalts interaction. GP41A-06. AGU23 abstract, invited talk.
3. Barrera, D., Toscani, G., **Amadori, C.**, Meda, M., Catellani, D., Gorla, M., and Di Giulio, A.: Thermal state of the Po Plain subsurface: a first overview , EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023. Talk.
4. **Amadori C.**, Marini M., Maino M., Casini L., Carrapa B., Di Giulio A. International Lithosphere Program, Task Force VI: Sedimentary Basins. IFPEN, Rueil-Malmaison (Paris), November 17-19, 2021. Talk.
5. Jepson G., Carrapa B., George S.W.M., Reeher L.J., Kapp P.A., DeCelles P.G, Davis G.H., Thomson S.N., **Amadori C.**, Jones S., Gleadow A.J.W., and Barry P. Kohn, B.P. Where did the Arizona plano go? Middle to lower crustal processes required. Geological Society of America, Connects. 10-13 October 2021 in Portland, Oregon, USA. Vol 53, No. 6. Talk. DOI: 10.1130/abs/2021AM-367634.
6. **Amadori C.**, Marini M., Maino M., Casini L., Langone A., Reguzzi S., Carrapa B., Di Giulio A. Oligocene Thermal history of NW Italy from integrated low-T thermochronology: new results and tectonic meaning. Thermo 2020/2021 (Online), March 23rd 2021. Talk.
7. **Amadori C.**, Di Giulio A., Toscani G. Po Plain-Northern Adriatic Foreland basin source-to-sink sediment system during Plio-Pleistocene time: evaluating tectonics vs. climate as erosion drivers. Working Group on Sediment Generation (WGSG), 27-29 June 2018, Trinity College, Dublin. Talk.
8. **Amadori C.**, Toscani G., Ghielmi M., Maesano F.E., D’Ambrogi C., Lombardi S., Milanese R., Panara Y. and Di Giulio A. (2017). 3D Architecture and evolution of the Po Plain-Northern Adriatic Foreland basin during Plio-Pleistocene time. EGU, 23-27 April 2017, Vienna. Talk.
9. **Amadori C.**, Garcia-Castellanos D., Di Giulio A., Fantoni R., Ghielmi M., Sternai. P. and Toscani G. (2017). Messinian post-evaporitic paleogeography of the Po Plain-Adriatic region by 3D numerical modelling: implications for the Central Mediterranean desiccation during the MSC. EGU, 23-27 April 2017, Vienna. Poster.
10. **Amadori C.**, Di Giulio A., Mancin N., Toscani G. (2015). Climate forcing on Pleistocene detrital flux in sedimentary basins: what is really important in climate change? Insight into Venice record. Sedimentary Basins Jena. International Association of Sedimentologists (IAS) 2015. Poster.
11. **Amadori C.**, Cipollari P., Cosentino D., Florindo F., Caruso A., Lo Mastro S. (2014). High-resolution stratigraphy of the pre-evaporitic/evaporitic transition in the late Messinian Adriatic foreland domain”. SGI-SIMP 2014, “The Future of Italian Geosciences - The Italian Geosciences of the Future”, 10-12 Sept 2014, Milan. Talk.

OUTREACH AND ACTIVISM

1. **Scientific Guide** on the JOIDES Resolution for high school, undergraduate and graduate students. Naples (Italy). 9th - 10th February and 9th - 10th April 2024.
2. Participation to the Outreach event in Vigevano (PV) “Vigevano in Scienza” on 24th September 2023. PhD students and myself have promoted the Geosciences to the citizens and performed experiments.
3. **Speaker**. Amadori, C. and of the Italian Geological Society, E. D.: A new EDI Division of the Italian Geological Society, EGU General Assembly 2023, Vienna, Austria, 24–28 April 2023, EGU23-16091. poster.
4. **Co-organizer** with Claudia Lupi and the “Commissione Comunicazione e Valorizzazione” of the seminar (online) held by Dr. Mario Tozzi and the GEOQUIZ scientific game. Event dedicated to all Italian high schools to present the role of Geology in society. 7th March, 2023.
5. **Co-organizer and speaker** with the SGI Division for gender equality in Geoscience “PanGEA” for the Workshop dedicated to Women in Geoscience “Un Passo Avanti. Presente e Futuro delle geologhe italiane”. 10-11 February 2023 at Argiletum, Via Madonna dei Monti, 40 in Rome.
6. **Virtual Tour guides** (Amadori C. and Laura Guertin) connected with students from the Det. Of Earth and Environmental Sciences (Uni. Pavia) from the Gulf Coast Repository (GCR) - International Ocean Discovery Program, Texas A&M University, College Station (Texas, USA). 8th November 2022.
7. **Invited Speaker** on the behalf of the EDI division of the Italian Geological Society “Geoscienze senza frontiera”. Workshop PLS “Scienze al Femminile”, October 16th 2021, Università di Bologna. Event dedicated to present the role of women in Science to all Italian high schools.
8. **Head-organizer** of seminars within the events “GeoSpritz: aperitivi virtuali” at the Det. of Earth and Environmental Sciences, University of Pavia. Since November 2020 to the present. All students, Ph.D, post-doc, researchers, and professors gathered to discuss different topics regarding research activity, private profession, and energy transition.
9. **Co-organizer** with Dr. Claudia Lupi, PLS and OSA of the online event “Giornata internazionale delle donne e ragazze nella Scienza”. University of Pavia. February 11th 2021.
10. **Co-organizer** (together with profs. Paola Vannucchi and Sveva Corrado) and speaker of the first Workshop online for Women in Geoscience (delle Donne nella Scienza) “PanGea: Geoscienze senza frontiere”. University of Camerino, chair-person prof. Eleonora Paris. 23rd October 2020.
11. **Organizer** of the online event (in collaboration with PLS project): “Women in Science, racconta la tua storia”. University of Pavia. February 11th 2020.
12. **Co-organizer** of 4th edition of the PhD Congress, 4th-6th March 2020, for PhD students of the Department of Earth and Environmental Sciences, University of Pavia. Postponed to 2021 due to Covid-19 pandemic.

13. **Proposer and co-organizer** of the 1st edition of the PhD Congress, 4th-5th May 2017, for PhD students of the Department of Earth and Environmental Sciences, University of Pavia.

IT SKILLS

- Excellent working knowledge of MacOS and Windows environments
- Excellent working knowledge of 3D MOVE (Petroleum Experts) for 3D analyses
- Excellent working knowledge of Deltapix software for Fission-Track analysis.
- Excellent working knowledge of graphic programs, as CorelDraw and Inkscape.
- Very good working knowledge of software dedicated to fission-track statistical analyses and thermal modeling: Trackkey, Radial Plot, Binomfit, HeFTy and QTQt.
- Good working knowledge of Decision Space (Openworks) for seismic data interpretation and 3D analyses.
- Good working knowledge of Basin Mod (Prat River Associates) for backstripping modeling.
- Good working knowledge of Correlator 4.0 for Stratigraphic correlation modeling.

TEACHING AND MENTORING EXPERIENCES

Academic year 2023/2024

- **PhD Co-supervisor** of the project Thermo-physical characterization and evaluation of the geothermal potential of the area around the Western Alps-Appennines tectonic limit. 2024-2027. In collaboration with IFPEN, Paris (France). Supervisor prof. Magdala Tesauro (University of Trieste)
- **Lecturer** for the PhD Course “Advanced microanalyses of Earth material”, 4h. Fission track analysis and Microthermometry of fluid inclusion. University of Pavia. Other lectures: Matteo Alvaro (UniPV) 4 h; Antonio Langone (UniPV) 4 h; Mara Murri (UniPV) 4 h; Alessio Sanfilippo (UniPV) 4 h. October 2023.
- **Lecturer and head organizer** of the PhD International Winter School “Dynamics and Sedimentary Systems of Collisional Zones”, 3h lecture and 3.5h practice at Irradiation Center. 3 October 2023. Other lectures: Giovanni Toscani (1.5h), Francesco Maesano (INGV, 1.5h), Barbara Carrapa (Univ. Arizona, 2h), Peter DeCelles (Univ. Arizona, 2h), Sebastián Castelltort (Univ. Geneva, 3h), Paolo Ballato (Univ. RomaTRE, 3h), Pietro Sternai (Univ. Milano Bicocca, 3h). 23 participants.

Academic year 2022/2023

- **Field trip leader** for the Basin Analysis module within the Master's degree program Geosciences for Sustainable Development. 60h (6 CFU/ECTS credits), taught in English. Sibillini Mountains and Laga Basin (Marche, Italy). 12-16 June 2023.
- **Lecturer** for the PhD “Summer School on Geo- thermo- and petrochronology”. Lecturers: Chiara Amadori (UniPV) 2 h lecture (0.5 CFU/ECTS credits); Matteo Maino (UniPV); Antonio Langone (UniPV); Giovanni Toscani (UniPV). 18-24 June 2023, Sardinia (Italy). Organised by Univ. of Sassari, Cagliari and University of Pavia. Lecture on “Exhumation rates”, taught in English.

- **Member of the evaluation jury** of the MScR candidate Andrew Emlyn Lang Hattie (tutor Prof. Cristina Persano) School of Geography and Earth Science College of Science and Engineering University of Glasgow. Final defence in 2022.
- **Reference Lecturer** for the Basin Analysis module within the Master's degree program Geosciences for Sustainable Development. 60h (6 CFU/ECTS credits), taught in English. II semester.

Academic year 2021/2022

- **Member of the evaluation jury** of the PhD candidate Simon Nachtergaele (tutor Prof. Johan De Grave) from Ghent University (Faculty of Sciences). Internal defence 22nd April 2022, final defence 3rd June 2022.
- **Master's degree supervisor** of Lorenzo Malinverno Asiani and Matteo Malinverno Asiani, degree obtained on 22nd July 2022.
- **Adjunct Professor** at Det. Earth of Environmental Sciences (Unipv) for the Basin Analysis module within the Master's degree program Geosciences for Sustainable Development. 32h (4 CFU/ECTS credits), taught in English. I semester.

Academic year 2020/2021

- **Teaching assistant** for field activity for the Bachelor's degree course in Sedimentology. 28th May and 4th June (Rocca Susella and Val Curone, Northern Apennines). Teacher: Prof. A. Di Giulio.
- **Teaching assistant** to the workshop for PhD students "Scientific Writing" held by Prof. Cristina Persano, University of Glasgow (4h, 1 CFU/ECTS credits), 1 February 2021, taught in English.
- **Adjunct Professor** at Det. Earth of Environmental Sciences (UniPV) for the Basin Analysis module of Master's degree in Applied Geoscience program (24h, 3 CFU/ECTS credits, taught in English), 2020/2021.
- **Teaching assistant** (35h), for the Bachelor degree course in Geological Survey, fieldwork activity. Teacher: Prof. Giovanni Toscani.

Academic year 2019/2020

- **Master's degree co-Supervisor** of Luca Zampieri and Tommaso Brignoli. Tutor: Prof. Giovanni Toscani. 31st October 2020.
- **Adjunct Professor** for the Basin Analysis module of Master's degree in Applied Geoscience program (24h, 3 CFU/ECTS credits, taught in English.).
- **Associate Instructor** for Geology Field Course "Geologic Evolution of the North America Cordillera", University of Arizona, Geosciences Department. July 9th-August 11th 2019 through Arizona, Utah, Wyoming, Nevada and California (USA). Supervisors: Peter DeCelles and Jay Quade.

Academic year 2018/2019

- **Master's Degree Co-Supervisor** of Greta Vinella. Master Thesis on the 3D reconstruction and evolution of the Piedmont Basin. In partnership with Eni E&P. Tutor: Prof. Giovanni Toscani. 31st October 2019.
- **Lecturer** for the Master degree course of Seismic interpretation for geological modelling on "3D

modelling of a foreland basin" (2h), Invited by Prof. Giovanni Toscani. 29th March 2018, taught in English.

Academic year 2017/2018

- **Field and teaching assistant** in Dolomites, June 18-23, 2018. Basin Analysis and Petroleum Geology course, Master degree. Teacher: Prof. Andrea Di Giulio
- **Lecturer** for the Master's degree course Sequence stratigraphy and Basin Analysis, held by Prof. Andrea Di Giulio. 16h lectures on "Geohistory analysis, burial history, Foredeep basin, 3D modelling, Messinian Salinity Crisis". May and June 2018
- **Teaching assistant** for fieldwork activity (36h), for the Bachelor's degree course in Geological Survey held by Prof. Giovanni Toscani.
- **Lecturer** for the Master degree in Natural Science, Ecology course on "Passive and Active Margins, Messinian Salinity Crisis" (2h Seminar). 24th April 2018. Invited by Prof. Anna Occhipinti.

Academic year 2016/2017

- **Lecturer** for the Bachelor's degree course of Geology I, held by Prof. Andrea Di Giulio, University of Pavia. Seminars (16h) on "Evaporitic rocks, fossil, and model evaporitic environments, evaporative sedimentary basin, Messinian Salinity Crisis". May 2017.
- **Lecturer** for the Master's degree in Natural Science, Ecology course Seminars on "Passive and Active Margins, Messinian Salinity Crisis" (2h Seminar), University of Pavia. Invited by Prof. Anna Occhipinti. 3rd May 2017.
- **Master's degree co-supervisor** of Mattia Buscaglia. Tutor: Prof. Giovanni Toscani. 28th April 2017.

Academic year 2015/2016

- **Teaching Assistant** for Field camp activity, Dolomites June 13-18, 2015. Basin Analysis and Petroleum Geology course, Master's degree. Supervisor: Prof. Andrea Di Giulio.
- **Lecturer** for high schools classes: Geology of the Po Plain (2h). "Piano Lauree Scientifiche" PLS-L34- UniPV. 14th June 2016.
- **Teaching assistant** for fieldwork activity (20h) for the Bachelor's degree course of Geological Survey held by Prof. Giovanni Toscani.
- **Teaching assistant** (20h) for the Master's degree course of Stratigraphy and Basin Analysis held by Prof. Andrea Di Giulio. Taught in English.
- **Master's Degree Co-supervisor** of Stefano Lombardi, Yuri Panara, Riccardo Milanese, Francesco Benevelli. Tutor: Prof. Andrea Di Giulio. 20th September 2016. Univ. of Pavia.

JOURNAL REFEREE: Basin Research (Wiley); Marine and Petroleum Geology (Elsevier); Marine Geology (Elsevier); Sedimentary Geology (Elsevier); Earth Science Frontiers; Minerals (MDPI); Journal of Geophysical Research - Solid Earth (AGU); Italian Journal of Geosciences, EGU sphere.

ACADEMIC ACTIVITY AND MEMBERSHIPS

- Member of the Earth Science faculty of the University of Pavia from July 2022 to present.
- Member of the “Commissione Comunicazione e Valorizzazione” (Working group for the Earth and Environmental Sciences Department communications), from July 2022 to present.
- Member of the “Centro MERGED – Centro di Ricerca Interdipartimentale Migrazione e Riconoscimento Genere Diversità” (Migration Recognition Gender Diversity). University of Pavia, since 2022.
- Co-founder and member of the Division of the Italian Geological Society (SGI) on diversity, equity and inclusion “Diversità, Equità, Inclusione – PanGEA”. This division has the purpose to defend and valorise the role of women working in Earth Sciences. Since June 2021 to present.
- Vice-president of ADI Pavia, “Association of Pavia's Ph.D students and Post-docs”, from September 2016 to June 2021.
- Member of the Earth and Environmental Sciences Department council as Post-Doctoral Researchers delegate (from 2019 to 2020).
- Member of the Academic Senate of the University of Pavia as the only Ph.D student representative (from June 2016 to February 2018).
- Member of the Earth and Environmental Sciences Department council as Ph.D student delegate (from May 2016 to February 2018).

SELECTED COURSES/TRAINING SCHOOLS ATTENDED: tot 19. Full list available on request.

1. ECORD Training Course “The Shipboard Simulation Experience”, 13-17 March 2023 at MARUM, University of Bremen, Germany. Travel grant provided by IODP-Italia.
2. Detrital geochronology and thermochronology, Milano Bicocca University organized by Marco Malusá and Igor Villa. 18 January-1 February 2021, online.
3. Provenance Analysis: how to integrate single grain and bulk techniques, Milano Bicocca University organized by Alberto Resentini and Sergio Andó. 11-28 January 2021.
4. Geochronology and Thermochronology. Geos 474/574. University of Arizona (Tucson, USA), 2019.
5. Thrust Belts. Geos 456/556 held by Peter DeCelles. University of Arizona (Tucson, USA), 2019.
6. Dinamica Litosferica (Master Course of Geologia i Geofisica de Reservoirs): Prof. Manuel Fernandez Ortiga (20,8 h). Universitat de Barcelona. November 2015 to January 2016.
7. Modelizaci3n 3D geologica y de reservoirios (Master Course of Geologia i Geofisica de Reservoirs). Dr. Oscar Gratacos (10 h theory + 16 h lab.). Universitat de Barcelona, November 2015 to January 2016.
8. Sedimentologia clastica (Master Course of Geologia i Geofisica de Reservoirs) held by Prof. Eduard Remacha (10,75 h theory) at Universitat de Barcelona. November 2015 to January 2016.

9. Sedimentary provenance analysis. University of Gottingen, Geoscience Center, Department of Sedimentology & Environmental Geology. 29th September to 2nd October 2015.
10. Tectonics of Thrust Belt-Thermochronology. Prof. Barbara Carrapa e Prof. Peter DeCelles (Arizona UNiv.). Università di Roma Tre (Rome, Italy), 16t-18 March 2015.

SELECTED FIELDWORK EXPERIENCES. Full list available on request.

- Field trip organizer and leader of the field camp to the Sibillini Mountains and Laga Basin (Central Apennines, Italy). Within the Basin Analysis course for master students (13 participants). 12-16 June 2023. University of Pavia.
- Field Trip to “The Central Apennines geotraverse (from Fara Sabina to Majella and Gran Sasso Mountains): a journey within the long-lasting interaction between sedimentary and tectonic processes”. GeoSed: Marco Mancini, Ilaria Mazzini, Irene Cornacchia, Giovanni Rusciadelli, Luca Cardello, Enrico Capezzuoli, Alessandro Mancini e Laura Tomassetti e Marco Brandano. 19th to 24th July 2021.
- Field trip to Val Tidone and Val Camonica (Southern Alps) for the Bachelor’s degree course in Sedimentology with Prof. A. Ronchi. University of Pavia. 10th to 11th June 2021.
- Fieldwork activity to Rocca Susella and Val Curone (Northern Apennines) for the Bachelor degree course in Sedimentology held by Prof. A. Di Giulio. University of Pavia. 28th May and 4th June 2021.
- Field camp through the North American Cordillera (Arizona, Utah, Wyoming, Nevada and California, western USA), University of Arizona, Geosciences Department. From July 9th to August 11th 2019. Supervisors: Peter DeCelles and Jay Quade.
- Field camp activity to Dolomites (Val di Fassa, Valle San Nicolò) on 13th to 18th June 2015 and 18th to 23rd June 2018 with Prof. Andrea Di Giulio for Basin Analysis and Petroleum Geology course, Master’s degree in Applied Geoscience, University of Pavia.
- Field Trip to Laga Basin (Central Apennines, Italy). Submarine channels and lobes architecture in the Messinian turbidite deposits. Prof. Salvatore Milli (Univ. La Sapienza, Roma). 3rd to 7th May 2018.
- Field trip to Ager, Pirenei (Spain) 12h. Sedimentologia clastica in Master Course of Geologia i Geofisica de Reservoiris, held by Prof. Eduard Remacha. Universitat de Barcelona, 2015.
- Fieldwork at Rocca di Cave (Monti Prenestini, RM). Geological survey for the Master’s degree in Geologia del Territorio e delle Risorse”, Science Det. Roma Tre University. Supervisor: Massimo Mattei. December 2012 to January 2013.

UNDERGRADUATE SCIENTIFIC EXPERIENCES

- **Promoter and public speaker** at the “European Researcher's Night”, organized by Roma Tre University, Science Department. 26th September 2014, Largo San Leonardo Murialdo 1, 00146 Roma.

- **Freelance writer** for “Geografie vol. III, Introduzione alla didattica delle Geoscienze. Problemi e prospettive”, Le Lettere, pp. 113-119. Editor: Michele Stoppa. ISBN 9788860878724 / 8860878721. Grossi F. & Amadori C. (2014). Il Museo geopaleontologico “Ardito Desio” di Rocca di Cave (Monti Prenestini, Lazio). Un esempio di didattica di Scienze della Terra.
- **Scientific and graphic collaborator** for “Il Globo terrestre e la sua evoluzione” Blu Edition (book of Earth Science for Italian high schools). Authors: Prof. Elvidio Lupia Palmieri and Prof. Maurizio Parotto, Zanichelli editore S.p.A, from 2012 to 2014:
 - vol. “Risorse minerarie ed energetiche”, 2014. ISBN 978-88-08-73494-5
 - vol. “Minerali e rocce, Vulcani, Terremoti, Tettonica delle placche, Storia della Terra, Modellamento del rilievo”, 2013. ISBN 978-88-08-34940-8
 - vol. “L’ambiente celeste e il pianeta Terra”, 2012. ISBN 978-88-08-32282-1
- **Promoter and public speaker** at the “European Researcher's night”, organized by Roma Tre University, Science Department. 27th September 2013, Largo San Leonardo Murialdo 1, 00146 Roma.
- **Lab. Assistant.** Student scholarship by Roma Tre University, for a 150-hour working period at the Laboratory of Vertebrate Paleontology (RomaTre University), under the supervision of Prof. Anastassios Kotsakis, 2012.
- **Freelance writer** for “Il Cercapietre”, Journal of the Roman Group of Mineralogy (Gruppo Mineralogico Romano), n. 1-2, 2011. Parotto M., Grossi F., Amadori C. (2011). Rocca di Cave e il Museo Geopaleontologico “Ardito Desio”.
- **Lab. Assistant.** Student scholarship offered by Roma Tre University, for a 150 hour working period at the Laboratory of Mineralogy (Roma Tre University, Science Dep.), under the supervision of Prof. Giancarlo Della Ventura, 2010.
- **Author** of the text for the Audio-guide of the Civic Geo-Palaeontological Museum “Ardito Desio”, Rocca di Cave (Roma) in 2010.
- **Freelance writer** for the magazine “I Quaderni del Museo di Rocca di Cave”, from 2010 to 2013.
- **Collaborator** for the Geo-Paleontological Museum “Ardito Desio ” di Rocca di Cave (Roma) for the development of methodology and didactic tools and re-organizing the museum storage. From 2009 to 2011.

February, 2024

Chiara Amadori, PhD

PUBLICATION LIST (*corresponding author)

- Barrera, D., Toscani, G., **Amadori, C.**, Meda, M., Catellani, D., Gorla, M., and Di Giulio, A. Thermal state of the Po Plain subsurface: a first overview. Submitted in Marine and Petroleum Geology.
 - Jonnalagadda, M.K.; Belgrano, T.M.; Ryan, J.G.; Kempton, P.D.; Evans, A.D., Grant, L.J.C.; Teagle, D.A.H.; Coggon, R.M.; Reece, J.; Sylvan, J.B.; Williams, T.J.; Estes, E.R. and The South Atlantic Transect IODP Expedition 390 & 393 Scientists. Data report: High downhole resolution portable XRF geochemistry of South Atlantic Transect basement cores, IODP Expeditions 390C, 395E, 390 and 393. Submitted in Proceedings of the International Ocean Discovery Program.
 - **Amadori, C.***, Ghielmi, M., Fantoni, R., Maesano, F.E., Toscani, G. 3D Architecture and evolution of a semi-confined foredeep basin: The western Po Plain (Northern Italy). In preparation.
 - Coggon, Carter, Grant, Evans, Lowery, Teagle, Kempton, Cooper, Routledge, Estep, Christeson, Sylvan, Reece, Estes, Williams and IODP Expedition 390 & 393 Scientists. Talus breccias on slow spreading ocean crust host previously unrecognized carbon sink. To be submitted in Science.
-
1. **Amadori, C.***, Borrelli, C.; Christeson, G.; Estes, E.; Guertin, L.; Hertzberg, J.; Kaplan, Michael; Koorapati, R.K.; Lam, A. R.; Lowery, C.M.; McIntyre, A.; Reece, J.; Robustelli Test, C.; Routledge, C.; Standring, P.; Sylvan, J.; Thompson, M.; Villa, A.; Wang, Y.; Wee, S. Y.; Williams, T.; Yeon, J.; and IODP Expedition 390/393 Scientists (**2024**). Data report: X-Ray Fluorescence Scanning of Sediment Cores, Site U1560, South Atlantic Transect. Accepted in Proceedings of the International Ocean Discovery Program. <https://doi.org/10.14379/iodp.proc.390393.205.2024>
 2. Robustelli Test, C., **Amadori, C.**, Borrelli, C., Christeson, G., Estes, E., Guertin, L., Hertzberg, J., Kaplan, M., Koorapati, R.K., Lam, A., Lowery, C. M., McIntyre, A., Reece, J., Routledge, C., Standring, P., Sylvan, J., Thompson, M., Villa, A., Wang, Y., Wee, S.Y., Williams, T., Yeon, J., Teagle, Damon A.H., Coggon, Rosalind M., and The South Atlantic Transect IODP Expedition 390 & 393 Scientists. (**2024**). Data report: X-Ray Fluorescence Scanning of Sediment Cores, Site U1559, South Atlantic Transect. Accepted in Proceedings of the International Ocean Discovery Program. <https://doi.org/10.14379/iodp.proc.390393.204.2024>
 3. Routledge, C., **Amadori, C.**, Borrelli, C., Christeson, G., Estes, E., Guertin, L., Hertzberg, J., Kaplan, M., Koorapati, R.K., Lam, A., Lowery, C. M., McIntyre, A., Reece, J., Robustelli Test, C., Standring, P., Sylvan, J., Thompson, M., Villa, A., Wang, Y., Wee, S.Y., Williams, T., Yeon, J., Teagle, Damon A.H., Coggon, Rosalind M., and The South Atlantic Transect IODP Expedition 390 & 393 Scientists. (**2024**). Data report: X-Ray Fluorescence Scanning of Sediment Cores, Site U1561, South Atlantic Transect. Accepted in Proceedings of the International Ocean Discovery Program.

<https://doi.org/10.14379/iodp.proc.390393.207.2024>

4. Lam, A. R., **Amadori, C.**, Borrelli, C., Christeson, G., Estes, E., Guertin, L., Hertzberg, J., Kaplan, M., Koorapati, R.K., , Lowery, C. M., McIntyre, A., Reece, J., Robustelli Test, C., Routledge, C., Standing, P., Sylvan, J., Thompson, M., Villa, A., Wang, Y., Wee, S.Y., Williams, T., Yeon, J., Teagle, Damon A.H., Coggon, Rosalind M., and The South Atlantic Transect IODP Expedition 390 & 393 Scientists. (2024). Data report: X-Ray Fluorescence Scanning of Sediment Cores, Site U1583, South Atlantic Transect. Accepted in Proceedings of the International Ocean Discovery Program. <https://doi.org/10.14379/iodp.proc.390393.202.2024>
5. Lowery, C. M., **Amadori, C.**, Borrelli, C., Christeson, G., Estes, E., Guertin, L., Hertzberg, J., Kaplan, M., Koorapati, R.K., Lam, A. R., McIntyre, A., Reece, J., Robustelli Test, C., Routledge, C., Standing, P., Sylvan, J., Thompson, M., Villa, A., Wang, Y., Wee, S.Y., Williams, T., Yeon, J., Teagle, Damon A.H., Coggon, Rosalind M., and The South Atlantic Transect IODP Expedition 390 & 393 Scientists. (2024). Data report: X-Ray Fluorescence Scanning of Sediment Cores, Site U1557, South Atlantic Transect. Accepted in Proceedings of the International Ocean Discovery Program. <https://doi.org/10.14379/iodp.proc.390393.201.2024>
6. Villa, A., **Amadori, C.**, Borrelli, C., Christeson, G., Estes, E., Guertin, L., Hertzberg, J., Kaplan, M., Koorapati, R.K., Lam, A., Lowery, C. M., McIntyre, A., Reece, J., Robustelli Test, C., Routledge, C., Standing, P., Sylvan, J., Thompson, M., Wang, Y., Wee, S.Y., Williams, T., Yeon, J., Teagle, Damon A.H., Coggon, Rosalind M., and The South Atlantic Transect IODP Expedition 390 & 393 Scientists. (2024). Data report: X-Ray Fluorescence Scanning of Sediment Cores, Site U1558, South Atlantic Transect. Accepted in Proceedings of the International Ocean Discovery Program. <https://doi.org/10.14379/iodp.proc.390393.203.2024>
7. Wang, Y., **Amadori, C.**, Borrelli, C., Christeson, G., Estes, E., Guertin, L., Hertzberg, J., Kaplan, M., Koorapati, R.K., Lam, A., Lowery, C. M., McIntyre, A., Reece, J., Robustelli Test, C., Routledge, C., Standing, P., Sylvan, J., Thompson, M., Villa, A., Wee, S.Y., Williams, T., Yeon, J., Teagle, Damon A.H., Coggon, Rosalind M., and The South Atlantic Transect IODP Expedition 390 & 393 Scientists. (2024). Data report: X-Ray Fluorescence Scanning of Sediment Cores, Site U1556, South Atlantic Transect. Accepted in Proceedings of the International Ocean Discovery Program. <https://doi.org/10.14379/iodp.proc.390393.206.2024>
8. Di Giulio, A., Marini, M., Felletti, F., Rossi, M., **Amadori, C.**, Menegoni, N., Reguzzi S., Tamburelli, S*. Control exerted by collisional tectonics on basin topography and depositional styles: The Tertiary Piedmont Basin in the Alps-Appennines Junction (NW Italy) (2024). Geological Field Trips and Maps (GFT&M), Vol. 16 (1.2)/2024. DOI: <https://doi.org/10.3301/GFT.2024.02> - Pages: 1-58
9. Mueller, P., Tamburelli S.*, Menegoni, N., Perozzo, M., **Amadori, C.**, Crispini, L., Federico, L., Seno, S.,

- Maino, M. (2023) Concurrence of load-and-flame structures, balls-and-pillows, clastic injectites and shear deformation bands as indicator of seismicity in mixed siliciclastic-carbonate successions (Finale Ligure Basin, Italy). *Marine and Petroleum Geology*, V. 155, 106345. <https://doi.org/10.1016/j.marpetgeo.2023.106345>
10. Teagle, D.A.H., Reece, J., Coggon, R.M., Sylvan, J.B., Christeson, G.L., Williams, T.J., Estes, E.R., and the Expedition 393 Scientists (2023). Expedition 393 Preliminary Report: South Atlantic Transect 2. International Ocean Discovery Program. <https://doi.org/10.14379/iodp.pr.393.2023>
11. Amadori C., Maino M.*, Marini M., Casini L., Carrapa B., Jepson G., Hayes, R.G., Nicola, C., Reguzzi S., Di Giulio A. (2023). The role of mantle upwelling on the thermal history of the Tertiary-Piedmont Basin at the Alps-Apennines tectonic boundary. *Basin Research*, vol 35, pp. 1228-1257. <https://doi.org/10.1111/bre.12752>
12. Tamburelli S.*, Di Giulio A., Amadori C., Consonni A., Ortenzi A. (2022). New constraint on burial and thermal history of Devonian reservoir sandstones in the Illizi-Ghadames basin (North Africa) through diagenetic numerical modelling. *Marine and Petroleum Geology*, v. 145, 105903. <https://doi.org/10.1016/j.marpetgeo.2022.105903>
13. Jepson G.*, Carrapa B., George S.W.M., Reeher L.J., Kapp P.A., DeCelles P.G., Davis G.H., Thomson S.N., Amadori C., Clinkscales C., Jones S., Gleadow A.J.W., and Kohn B.P. (2022). Where did the Arizona-plano go? Middle to lower crustal processes required. *Journal of Geophysical Research. Solid Earth*. DOI: 10.1029/2021JB023850.
14. Ceriani A., Arboit, F*, Di Giulio, A., Decarlis A., Steuber T., Amadori C., Al Suwaidi A. (2022). The influence of fragile deformation on the deposition of seep-carbonates: a case study in the South Alps-Apennines tectonic knot. *Basin Research*, v. 34 (2), 555-569. doi: 10.1111/bre.12630
15. Panara Y., Maesano FE., Amadori C., Fedorik J., Toscani G.*, Basili R. (2021). Probabilistic slip rates assessment for offshore blind thrusts: the case of the Northern Adriatic Sea. *Frontiers in Earth Science*. 9:664288. doi: 10.3389/feart.2021.664288.
16. Di Giulio A., Grigo D., Zattin M., Amadori C., Consonni A., Nicola C., Ortenzi A., Scotti P., Tamburelli S*. (2021). Diagenetic history vs. thermal evolution of Paleozoic and Triassic reservoir rocks in the Ghadames-Illizi Basin (Algeria-Tunisia-Lybia). *Marine and Petroleum Geology*, v. 127. <https://doi.org/10.1016/j.marpetgeo.2021.104979>.
17. Amadori C.*, Ghielmi M., Mancin N., Toscani G. (2020). The evolution of a coastal wedge in response to Plio-Pleistocene climate change: the Northern Adriatic cases. *Marine and Petroleum Geology*, v. 122. <https://doi.org/10.1016/j.marpetgeo.2020.104675>.
18. Di Giulio A., Amadori, C.*, Mueller, P., Langone, A. (2020). The role of the down-bending plate as detrital source in convergent systems revealed by U-Pb dating of zircon grains: insights from Southern Andes and Western Italian Alps. *Minerals – Special Issue Detrital Mineral U/Pb Age Dating and Geochemistry*

- of Magmatic Products in Basin Sequences: State of the Art and Progress. Vol 10, 623. doi:10.3390/min10070632.
19. Cazzini F.F.*, **Amadori C.**, Bosino A. & Fantoni R. (2020). New seismic evidence of the Messinian paleomorphology beneath Lake Maggiore area (Italy). Italian Journal of Geosciences, <https://doi.org/10.3301/IJG.2019.26>.
 20. Di Giulio A.*, Marini M., Felletti F., Patacci M., Rossi M., **Amadori C.** (2019). Control exerted by collisional tectonics on basin topography and depositional styles: the Tertiary Piedmont Basin in the Alps-Appennines Junction (NW Italy). In: M. Vigliotti, M. Tropeano, V. Pascucci, D. Ruberti, L. Sabato (Eds) Field Trips - GUIDE BOOK, 34th IAS Meeting of Sedimentology, Rome (Italy) September 10-13 2019, Post-Meeting Field Trip B2, 303-332. Associazione Italiana di Geologia del Sedimentario - GeoSed, Siena (Italy), ISBN 978-88-944576-0-5. hdl:11571/1292147
 21. **Amadori C.***, Toscani G., Di Giulio A., Maesano F., D'Ambrogio C., Ghielmi M. (2019). From cylindrical to non-cylindrical foreland basin: Pliocene-Pleistocene evolution of the Po Plain-Northern Adriatic basin (Italy). Basin Research v. 31 (5). DOI: 10.1111/bre.12369.
 22. **Amadori C.***, Fantoni R., Ghielmi M., Toscani G., Di Giulio A. (2018). 14.C- Po Plain-MSC Surfaces (2). in: J. Lofi, Ed., Seismic Atlas of the Messinian Salinity Crisis markers in the Mediterranean Sea. Volume 2. Mémoires de la Société Géologique de France, n.s., t. 181, and Commission for the Geological Map of the World, p. 50. Doi: 10.10682/2018MESSINV2. ISBN 9782917310373. hdl:11571/1230966
 23. **Amadori C.***, Garcia-Castellanos D., Toscani G., Sternai P., Fantoni R., Ghielmi M., Di Giulio A. (2018). Restored topography of the Po Plain-Northern Adriatic Region during the Messinian base-level drop – implications for the physiography and compartmentalization of the paleo-Mediterranean basin. Basin Research. v. 30 (6), pp. 1247-1263. DOI: 10.1111/bre.12302.
 24. **Amadori C.** (2018). 3D Architecture of the Po Plain-Northern Adriatic Basin since the Messinian Salinity Crisis through Pliocene-Pleistocene time. PhD Thesis, University of Pavia. 22nd February 2018. hdl:11571/1214794. URL for high-resolution version: https://drive.google.com/file/d/1I1RBxAsC9kgm_ABL3_HDjh1GsGsp7yJv/view?usp=sharing
 25. **Amadori C.***, Garcia-Castellanos D., Toscani G., Di Giulio A., Fantoni R., Ghielmi M. (2017). Restoration of paleo-shorelines through lithospheric 3D modeling and backstripping analysis: the example of the Po Plain-Northern Adriatic region during Late Messinian sea-level drop. Offshore Mediterranean Conference & Exhibition (OMC) 2017, 29-31 March 2017, Ravenna (Italy). Scopus: 2-s2.0-85051527858.