

PERSONAL INFORMATION



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POSITION

Associate Professor, PhD

WORK EXPERIENCE

- 1994-1995.** Post-doctoral fellow at Lamont-Doherty Earth Observatory of Columbia University, USA.
- 1995-1997.** Post-doctoral fellow at the University of Milan and the Institute of Marine Geology, National Research Council (C.N.R.), Bologna, Italy.
- 1997-2000.** Wissenschaft Assistant at the Institute of Geophysics, ETH Zurich, Switzerland.
- 1996-2000.** Adjunct Assistant Research Scientist at Lamont-Doherty Earth Observatory of Columbia University, USA.
- 1998-2000.** Adjunct Assistant Research Scientist at the Institute of Marine Geology, C.N.R. Bologna, Italy.
- 2010-2017.** Director of the Alpine Laboratory of Paleomagnetism (ALP): <http://users.unimi.it/paleomag/peveragno/index.htm>
- 2000-2005.** Researcher at the Department of Earth Sciences, University of Milan, Italy.
- 2006-Present.** Associate Professor at the Department of Earth Sciences, University of Milan, Italy.
- 2013.** Habilitated as Full Professor according to the Italian National Scientific Habilitation Procedure (ASN 2012).
- 2019.** Habilitated as Full Professor according to the Italian National Scientific Habilitation Procedure (ASN 2018).

EDUCATION AND TRAINING

1990. Laurea cum laude in Geological Sciences: "Geologia di Hydra (Grecia): Il Triassico Inferiore e Medio" (Geology of the Early-Middle Triassic succession of Hydra, Greece). University of Milan 08/03/1990 (Advisor: M. Gaetani).

1994. Doctorate (PhD) in Magnetostratigraphy: "Analisi Paleomagnetica di alcune Successioni Stratigrafiche Significative del Triassico Inferiore e Medio della Tetide" (Magnetostratigraphy of key Early and Middle Triassic sections on the Tethys realm). University of Milan 15/09/1994. (Advisor: M. Gaetani), in collaboration with Lamont-Doherty Earth Observatory of Columbia University, USA (External Advisor: Dennis V. Kent).

Mother tongue(s)

Italian

Other language(s)

English

Spanish, German

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
B1	B1	B1	B1	B1

Organisational / managerial skills

- **Associate Editor** of the Rivista Italiana di Paleontologia e Stratigrafia.
- Scientific Advisor of the 'Centro Interuniversitario di Magnetismo Naturale 'Roberto Lanza''.
- Reviewer for scientific journals: Nature Geoscience, EPSL, Tectonophysics, PEPI, Palaeogeography Palaeoecology, Palaeoclimatology, Journal of Geophysical Research, Geophysical Research Letters, etc.
- Member of the Faculty Board (Collegio Docenti) of the doctoral school in Earth Sciences.
- Member of the Faculty Board (Collegio Docenti) of the doctoral school in Natural Sciences (discontinued).
- Member of the Faculty board of the Graduate and Undergraduate Studies in Natural Sciences.
- Member of the Faculty board of the Graduate and Undergraduate Studies in Geological Sciences.
- Member of the Department Library Advisory Board (discontinued).
- Member of the Department Laboratories&Facilities Board.
- *Responsabile di Struttura, Dipartimento di Scienze della Terra.*

PERSONAL SKILLS

**Job-related skills – Projects
Funded**

- Stratigraphic-paleogeographic and geochemical-petrographic characterization of the events around the Triassic-Jurassic boundary: an integrated approach (Stratigrafica integrata degli eventi tra Triassico Superiore e Giurassico Inferiore nel settore tetideo alpino). Project funded by PRIN - Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale, 2006–2008, PA Flavio Jadoul. 71.000 Euros.
- Progetto Perforazione Ceprano (Valle Latina, Lazio) finanziato da C.N.R.-IDPA, 2008. PI Giovanni Muttoni.
- Late Matuyama climate forcing on sedimentation at the margin of the southern Alps (Italy). Project funded by Regione Lombardia, IREALP, C.N.R.-IDPA, 2009-2010.
- Drift history of Iran from the Ordovician to the Triassic. Project funded by MEBE (Middle East Basins Evolution) Programme (2002-2007) (tectonic and geodynamic evolution of the Middle East and western Central Asia).
- Triassic/Jurassic stratigraphy in Turkey. Project funded by DARIUS Programme (2009-2012) (tectonic and geodynamic evolution of the Middle East and western Central Asia).
- Variability and geographic provenance of eolian dust in Antarctica during the late Quaternary (Caratterizzazione delle proprietà magnetiche delle polveri eoliche e variabilità climatica in Antartide nel tardo Quaternario). Project funded by PRIN Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale 2011–2013, PA Luca Lanci. 118.325 Euros
- Megalopolis and Kozarnica: the oldest archeological sites in the Balkans. Project funded by Fondo Scavi Archeologici 2015 – Università degli Studi di Milano. PI Giovanni Muttoni.
- Ammesso al finanziamento delle attività base di ricerca MIUR 2017 – Classe PA.

Job-related skills - Teaching

1997-2000 Field-based practical classes for the course Geophysics at the Institute of Geophysics, ETH Zurich, Switzerland.

2000-2009. Laboratory-based practical classes for the course 'Geology' for the Baccalaureate Degree (Laurea Triennale) in Natural Sciences, University of Milan.

2004-2009. Course "Paleomagnetism and Paleogeography" for the Master Degree (Laurea Specialistica) in Geological Sciences (6 credits), University of Milan.

2005-Present. Course "Geology" for the Baccalaureate Degree (Laurea Triennale) in Natural Sciences (4 credits), University of Milan.

2010-Present. Course "Stratigraphy" for the Master Degree (Laurea Specialistica) in Geological Sciences (3 credits plus Laboratory-based practical classes), University of Milan.

2011-Present. Course "Geological evolution of a habitable planet" for the Master Degree (Laurea Specialistica) in Natural Sciences (6 credits).

2012-Present. Course "Metodi e Analisi degli Ecosistemi" for the Master Degree (Laurea Specialistica) in Natural Sciences (1 credit), University of Milan.

PhD and Postocs

I have officially mentored 4 PhD students of the University of Milan (E. Dall'olio, A. Baucon, A. Pellizzone, E. Monesi), one PhD from the University of Milano-Bicocca (G. Scardia), one PhD from the University of Padova (E. Dallanave), and one Postdoc of the University of Milan (M. Maron). I have also mentored unofficially two PhDs from external institutions (K. Aubele and U. Kirscher, Ludwig-Maximilians University, Munich).

- 2006 Dr. Giancarlo Scardia (now at University of Sao Paulo, Brazil)
- 2009 Dr. Edoardo Dallanave (now at Ludwig-Maximilian University)
- 2010 Dr. Eleonora Dall'olio
- 2011 Dr. Andrea Baucon
- 2011 Dr. Anna Pellizzone,
- 2012 Dr. Edoardo Monesi
- 2016-Dr. Matteo Maron

PUBLICATIONS
Peer-Reviewed Publications

I have published a total of 120 scientific publications, 106 of which listed in Scopus yielding an H-index of 37. These publications reflect my broad research interests including: definition of the geomagnetic polarity time scale for the Triassic and Jurassic. Pangea configuration during the Permian–Triassic. Response of the natural systems to the motion of plates across zonal climate belts. Geological causes of the transition from greenhouse to icehouse conditions in the Cenozoic. Jurassic paleogeography and true polar wander. Climatic and sedimentary evolution of the Mediterranean region during the Pliocene- Pleistocene. Stratigraphy and age of the earliest human occupation of Europe during the late Early Pleistocene climate transition.

- 1) 1992. Angiolini L., Dragonetti L., Muttoni G. and Nicora A., Triassic stratigraphy in the island of Hydra (Greece). *Rivista Italiana di Paleontologia e Stratigrafia* 98,

- 137-180.
- 2) 1993. Muttoni G. and Rettori R., New biostratigraphic data on the Triassic of the Marathovouno hillock area (Chios Island, Greece). *Rivista Italiana di Paleontologia e Stratigrafia* 99, 461-472.
 - 3) 1994. Muttoni G. and Kent D.V., Paleomagnetism of latest Anisian (Middle Triassic) sections of Prezzo Limestone and Buchenstein Formation, Southern Alps, Italy. *Earth and Planetary Science Letters* 122, 1-18.
 - 4) 1994. Muttoni G., Channell J.E.T., Nicora A. and Rettori R., Magnetostratigraphy and biostratigraphy of an Anisian-Ladinian (Middle Triassic) boundary section from Hydra (Greece). *Paleogeography, Paleoclimatology, Paleoecology* 111, 249-262.
 - 5) 1994. Muttoni G., Kent D.V. and Gaetani M., The base of the Anisian. A Candidate Stratotype Section And Point from Chios Island (Greece). *Albertiana* 13, 37-43.
 - 6) 1994. Rettori R., Angiolini L. and Muttoni G., Lower and Middle Triassic foraminifera from Eros Limestone, Hydra Island, Greece. *Journal of Micropaleontology* 13, 25-46.
 - 7) 1995. Muttoni G., Kent D.V. and Gaetani M., Magnetostratigraphy of a Lower/Middle Triassic boundary section from Chios (Greece). *Physics of the Earth and Planetary Interiors* 92, 245-261.
 - 8) 1996. Muttoni G., "Wasp-waisted" hysteresis loops from a remagnetized Triassic limestone. *Geophysical Research Letters* 22/3.
 - 9) 1996. Muttoni G., Preliminary results on the paleomagnetism of Upper Permian Verrucano Lombardo sandstones from Val Camonica and of Upper Triassic Val Sabbia sandstones from Val Brembana, Southern Alps. *Natura Bresciana* 30, 17-30.
 - 10) 1996. Muttoni G., Kent D. V., Nicora A., Rieber H. and Brack, P., Magneto-biostratigraphy of the 'Buchenstein Beds' at Frötschbach (western Dolomites, Italy). *Albertiana* 17, 51-56.
 - 11) 1996. Muttoni G., Kent D.V., Meço S., Nicora A., Balini M., and Gaetani M., Magneto-biostratigraphy of the Spathian to Anisian (Early to Middle Triassic) Kçira section, Albania. *Geophysical Journal International* 127, 503-514.
 - 12) 1996. Muttoni, G., Kent, D. V. and Channell, J. E. T., Evolution of Pangea: Paleomagnetic Constraints from the Southern Alps, Italy, *Earth and Planetary Science Letters* 140, 97-112.
 - 13) 1997. Muttoni, G., Kent D.V., Brack, P., Nicora, A. and Balini, M., Middle Triassic Magneto-Biostratigraphy from the Dolomites and Greece, *Earth and Planetary Science Letters* 146, 107-120.
 - 14) 1998. Broglio Loriga C., Cirilli S., De Zanche V., Di Bari D., Gianolla P., Laghi G.F., Lowrie W., Mastandrea A., Mietto P., Muttoni G., Neri C., Posenato R., Rechichi M., Rettori R. and Roghi G., A GSSP candidate for Ladinian/Carnian boundary: The Prati di Stuoeres section (Dolomites, Italy), *Albertiana* 21, 2-18.
 - 15) 1998. Muttoni G., Kent D.V., Meço S., Nicora A., Balini M., Gaetani M. and Krystyn, L., Towards a Better Definition of the Middle Triassic Magnetic Polarity Stratigraphy in the Tethys Realm. *Earth and Planetary Science Letters* 164, 285-302.
 - 16) 1998. Muttoni, G., Argnani, A., Kent, D. V., Abrahamsen, N. and Cibin, U., Paleomagnetic Evidence for Neogene Tectonic Rotations in the Northern Apennines. *Earth and Planetary Science Letters* 154, 25-40.
 - 17) 1999. Broglio Loriga C., Cirilli S., De Zanche V., Di Bari D., Gianolla P., Laghi G. F., Lowrie W., Manfrin S., Mastandrea A., Mietto P., Muttoni G., Neri C., Posenato R., Rechichi M., Rettori R. and Roghi G., The "Prati di Stuoeres" section (Dolomites, Italy): A GSSP Candidate for the Base of the Carnian (Late Triassic). *Rivista Italiana di Paleontologia e Stratigrafia* 105, 37-78.
 - 18) 2000. Brack, P. and Muttoni, G., High-resolution magnetostratigraphic and lithostratigraphic correlations in Middle Triassic pelagic carbonates from the

- Dolomites (northern Italy). *Paleogeography, Paleoclimatology, Paleoecology*, 161, 361-380.
- 19) 2000. Channell, J.E.T., Erba, E., Muttoni, G. and Tremolada, F., Early Cretaceous magnetic stratigraphy in the APTICORE drill core and adjacent outcrop at Cisonon (Southern Alps, Italy), and correlation to the proposed Barremian/Aptian boundary stratotype. *Geological Society of America Bulletin* 112(9), 1430-1443.
 - 20) 2000. Muttoni G., Lanci L., Argnani A., Hirt A. M., Cibin U., Abrahamsen N. and Lowrie, W., Paleomagnetic Evidence for a Neogene Two-Phase Counterclockwise Tectonic Rotation in the Northern Apennines (Italy). *Tectonophysics*, (326)3-4, 241-253.
 - 21) 2000. Muttoni, G., Gaetani, M., Budurov K., Zagorchev I., Trifonova E., Ivanova D., Petrounova L., and Lowrie W., Middle Triassic palaeomagnetic data from northern Bulgaria: constraints on Tethyan magnetostratigraphy and palaeogeography. *Paleogeography, Paleoclimatology, Paleoecology* 160, 223-237.
 - 22) 2001. Brack P., Muttoni G., and Rieber H., Comment on: 'Magnetostratigraphy and biostratigraphy of the Middle Triassic Margon section (Southern Alps, Italy)' by P.R. Gialanella, F. Heller, P. Mietto, A. Incoronato, V. De Zanche, P. Gianolla, G. Roghi. *Earth and Planetary Science Letters* 193, 253-255.
 - 23) 2001. Muttoni G., Garzanti E., Alfonsi L., Cirilli S., Germani D., and Lowrie W., Motion of Africa and Adria since the Permian: paleomagnetic and paleoclimatic constraints from northern Libya. *Earth and Planetary Science Letters* 192, 159-174.
 - 24) 2001. Muttoni G., Kent D.V. and Orchard M., Paleomagnetic reconnaissance of Early Mesozoic carbonates from Williston Lake, northern British Columbia, Canada: Evidence for Late Mesozoic remagnetization. *Canadian Journal of Earth Sciences* 38, 1157-1168.
 - 25) 2001. Muttoni, G., Kent, D.V., DiStefano, P., Gullo, M., Nicora, A., Tait, J., and Lowrie, W., Magnetostratigraphy and Biostratigraphy of the Carnian/Norian Boundary Interval from the Pizzo Mondello Section (Sicani Mountains, Sicily). *Paleogeography, Paleoclimatology, Paleoecology* 166, 383-399.
 - 26) 2002. Muttoni G., Garzanti E., Alfonsi L., Cirilli S., Germani D., and Lowrie W., Corrigendum to "Motion of Africa and Adria since the Permian: paleomagnetic and paleoclimatic constraints from northern Libya": [*Earth and Planetary Science Letters* 192 (2001) 159–174]. *Earth and Planetary Science Letters* 194, 395.
 - 27) 2003. Angiolini L., Balini, M., Garzanti E., Nicora A., Tintori A., Crasquin S., and Muttoni G., Permian climatic and paleogeographic changes in Northern Gondwana: the Khuff Formation of Interior Oman. *Paleogeography, Paleoclimatology, Paleoecology* 191, 269-300.
 - 28) 2003. Muttoni G., Carcano, C., Garzanti E., Ghielmi M., Piccin, A., Pini, R., Rogledi S., and Sciunnach D., Onset of major Pleistocene glaciations in the Alps. *Geology* 31, 989-992.
 - 29) 2003. Muttoni G., Kent D.V., Garzanti E., Brack P., Abrahamsen N., Gaetani M., Early Permian Pangea 'B' to Late Permian Pangea 'A'. *Earth and Planetary Science Letters* 215, 379-394.
 - 30) 2003. Kent D.V. and Muttoni, G., Mobility of Pangea: Implications for Late Paleozoic and early Mesozoic paleoclimate. P.M. Letourneau, P.E. Olsen, Editors, *The Great Rift Valleys of Pangea in Eastern North America. Tectonics, Structure, and Volcanism. Volume 1*, pp 12-20, Columbia University Press.
 - 31) 2004. Muttoni G., Kent D.V., Garzanti E., Brack P., Abrahamsen N., Gaetani M., Erratum to "Early Permian Pangea 'B' to Late Permian Pangea 'A'": [*Earth Planet. Sci. Lett.* 215 (2003) 379–394]. *Earth and Planetary Science Letters* 218, 539-540.
 - 32) 2004. Kent D.V., Muttoni G., Brack P., A Much Faster Tempo for Sea-level Variations in the Middle Triassic Latemar Carbonate Platform in the Dolomites (Italy). *Earth and Planetary Science Letters* 228, 369-377.

- 33) 2004. Muttoni G., Nicora A., Brack P., Kent, D.V., Anisian-Ladinian boundary chronology. *Paleogeography, Paleoclimatology, Paleoecology* 208, 85-102.
- 34) 2004. Muttoni G., Kent D.V., Olsen P.E., DiStefano P., Lowrie W., Bernasconi S., and Hernandez F.M., Tethyan magnetostratigraphy from Pizzo Mondello (Sicily) and correlation to the Late Triassic Newark astrochronological polarity time scale, *Geological Society of America Bulletin* 116, 1043–1058.
- 35) 2005. Ravazzi C., Pini R., Breda M., Martinetto E., Muttoni G., Chiesa, S., Confortini, S., Egli, R., The lacustrine deposits of Fornaci di Ranica (late Early Pleistocene, Italian Pre-Alps): stratigraphy, palaeoenvironment and geological evolution. *Quaternary International*, 131, 35-58.
- 36) 2005. Muttoni G., Erba E., Kent D.V., Bachtadse V., Mesozoic Alpine facies deposition as a result of past latitudinal plate motion. *Nature* 434, 59-63.
- 37) 2005. Muttoni G., Meco, S., and Gaetani M., Carnian-Norian boundary magneto-biostratigraphy from Guri Zi (Albania). *Rivista Italiana di Paleontologia e Stratigrafia* 111/2, 233–245.
- 38) 2006. Agnini C., Muttoni G., Kent D.V., Rio D., Eocene biostratigraphy and magnetic stratigraphy from Possagno, Italy: The calcareous nannofossil response to climate variability. *Earth and Planetary Science Letters* 241, 815-830.
- 39) 2006. Scardia G., Muttoni G., and Sciunnach D., Subsurface magnetostratigraphy in the Po Plain (Italy): temporal constraints on onset of the Ice Ages, erosion, and uplift in the Southern Alps. *Geological Society of America Bulletin* 118/11, 1299-1312.
- 40) 2007. Muttoni G., Ravazzi C., Breda M., Laj C., Kissel C., Mazaud A., Pini R., and Garzanti E., Magnetostratigraphy of the Lefte lacustrine succession (Southern Alps, Italy): evidence for an intensification of glacial activity in the Alps at Marine Isotope Stage 22 (0.87 Ma). *Quaternary Research* 67, 161-173.
- 41) 2007. Zanzi A., Pelfini M., Muttoni G., Santilli M., Leonelli G., Spectral analysis on mountain pine tree-ring chronologies. *Dendrochronologia* 24, 145-154.
- 42) 2007. Angiolini L., Gaetani M., Muttoni G., Stephenson M.H., Zanchi A., Tethyan oceanic currents and climate gradients 300 m.y. ago. *Geology* 35, 1071-1074.
- 43) 2007. Hounslow, M.W., Szurles, M., Muttoni, G. and Nawrocki, J., The magnetostratigraphy of the Olenekian-Anisian boundary and a proposal to define the base of the Anisian using a magnetozone datum. *Albertiana* 36, 72-77.
- 44) 2007. Mietto P., Andreetta R., Broglio Loriga C., Buratti N., Cirilli S., De Zanche V., Furin S., Gianolla P., Manfrin S., Muttoni G., Neri C., Nicora A., Posenato R., Preto N., Rigo M., Roghi G., Spoetl C., A Candidate Of The Global Boundary Stratotype Section And Point For The Base Of The Carnian Stage (Upper Triassic): GSSP at the base of the canadensis Subzone (FAD of Daxatina) in the Prati di Stuoeres/Stuoeres Wiesen section (Southern Alps, NE Italy). *Albertiana* 36, 78-97.
- 45) 2007. Nicora A., Balini M., Bellanca A., Bertinelli A., Bowring S.A., Di Stefano P., Dumitrica P., Guaiumi C., Gullo M., Hungerbuehler A., Levera M., Mazza M., McRoberts C.A., Muttoni G., Preto N., and Rigo M., The Carnian/Norian boundary interval at Pizzo Mondello (Sicani Mountains, Sicily) and its bearing for the definition of the GSSP of the Norian Stage. *Albertiana* 36, 102-115.
- 46) 2007. Muttoni G. and Kent D.V., Widespread formation of cherts during the early Eocene climatic optimum. *Palaeogeography, Palaeoecology, Palaeoclimatology* 253, 348-362.
- 47) 2007. Dallanave E., Muttoni G., Analisi paleomagnetica della sezione triassica del Monte San Giorgio. *Geologia Insubrica* 10(2), 21–26.
- 48) 2008. Kent D.V. and Muttoni G., Equatorial convergence of India and early Cenozoic climate trends. *Proceedings of the National Academy of Sciences*, doi10.1073/pnas.0805382105.
- 49) 2008. Agnini, C., Dallanave, E., Fornaciari, E., Giusberti L., Grandesso, P., Rio, D.,

- Stefani, C., Backman, J., Capraro, L., Lanci, L., Luciani, V., Muttoni, G., Palike, H., Spofforth, D., Tateo, F. Il Paleogene inferiore in facies pelagica nel Veneto nord-orientale – Rendiconti online Società Geologica Italiana 2.
- 50) 2008. M. Balini, A. Bertinelli, P. Di Stefano, P. Dumitrica, S. Furin, M. Gullo, C. Guaiumi, A. Hungerbuehler, M. Levera, M. Mazza, C.A. McRoberts, G. Muttoni, A. Nicora, N. Preto, M. Rigo (2008). Integrated stratigraphy of the Norian GSSP candidate Pizzo Mondello section (Sicani Mountains, Sicily). *Berichte der Geologischen Bundesanstalt* 76, 23-25, ISSN: 1017-8880
- 51) 2009. Muttoni G., Mattei M., Balini M., Zanchi A., Gaetani M. and Berra F., The drift history of Iran from the Ordovician to the Triassic. *Geological Society of London Special Publications* 312, 7-29.
- 52) 2009. Scardia, G., Muttoni, G., Paleomagnetic investigations on the Pleistocene lacustrine sequence of Pianico-Sellere (northern Italy). *Quaternary International* 204, 44-53.
- 53) 2009. Muttoni, G., Gaetani, M., Kent, D. V., Sciunnach, D., Angiolini, A., Berra, F., Garzanti, E., Mattei, M., and Zanchi, A., Opening of the Neo-Tethys Ocean and the Pangea B to Pangea A transformation during the Permian. *GeoArabia* 14, 17–48.
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- 56) 2009. Zanchetta, S., Zanchi, A., Villa, I., Poli, S., Muttoni, G., The Shanderman eclogites: a Late Carboniferous high-pressure event in the NW Talesh Mountains (NW Iran) *Geological Society of London Special Publications* 312, 57-78.
- 57) 2009. Dallanave, E., Agnini, C., Muttoni, G., Rio, D., Magneto- biostratigraphy of the Cicogna section (Italy): Implications for the late Paleocene–early Eocene time scale. *Earth and Planetary Science Letters* 285, 39-51
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- 59) 2009. Muttoni, G., Scardia, G., Kent, D.V., Swisher, C.C., Manzi, G., Pleistocene magnetostratigraphy of early hominin sites at Ceprano and Fontana Ranuccio, Italy, *Earth and Planetary Science Letters* 286, 255-268.
- 60) 2010. Hounslow, M., Muttoni, G. The geomagnetic polarity timescale for the Triassic: linkage to stage boundary definitions. In: Lucas (Ed.), *The Triassic Time Scale*. *Geological Society of London Special Publications* 334, 61-102
- 61) 2010. Muttoni, G., Kent' D.V., Jadoul,' F., Olsen' P.E., Rigo, M., Galli' M.T. and Nicora, A, Rhaetian magnetobiostratigraphy from the Southern Alps (Italy): constraints on Triassic chronology. *Paleogeography, Paleoclimatology, Paleoclimatology* 285, 1-16.
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- 63) 2010. Scardia, G., Donegana, M., Muttoni, G., Ravazzi, C., Vezzoli, G., Late Matuyama climate forcing on sedimentation at the margin of the southern Alps (Italy). *Quaternary Science Reviews* 29, 832-846.
- 64) 2010. Channell, J.E.T., Casellato, C., Muttoni, G., Erba, E., Magnetostratigraphy, nannofossil stratigraphy and apparent polar wander for Adria -Africa in the Jurassic-Cretaceous boundary interval. *Paleogeography, Paleoclimatology,*

- Paleoclimatology 293, 51-75.
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- 67) 2010. Scardia G. and Muttoni G., Il contributo dei pozzi perforati dalla Regione Lombardia alla conoscenza del Pleistocene lombardo. Istituto Lombardo – Accademia di Scienze e Lettere. In: Una nuova geologia per la Lombardia, Orombelli G., Cassinis G., and Gaetani M. (Editors). Convegno in onore di Maria Bianca Cita, Milano 6-7 Novembre 2008, pp 181-196.
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Citations

- H-index 37 – 3472 citations (Scopus 2019)
H-index 42 – 4675 citations (Google Scholar 2019)

Listed in Academic Commons, Columbia University

Presentations

70+ talks at international meetings including 4 invited talks at the American Geophysical Union

Memberships

- Member of the American Geophysical Union.
- Member of the Italian Geological Society (discontinuous)
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