

ELISABETTA ERBA - CV

I, THE UNDERSIGNED, AWARE OF THE PROVISIONS OF ARTICLE 76 OF THE PRESIDENTIAL DECREE 28 DECEMBER 2000 NO. 445, ON THE CRIMINAL LIABILITY WHICH MAY BE ENCOUNTERED IN THE EVENT OF FALSE STATEMENTS/DOCUMENTS AND FALSE DECLARATIONS, AS WELL AS THE PROVISIONS OF ART. 75 OF THE PRESIDENTIAL DECREE 28 DECEMBER 2000 NO. 445, ON THE FORFEITURE OF ANY BENEFITS RESULTING FROM THE PROVISION ISSUED ON THE BASIS OF UNTRUTHFUL DECLARATIONS, PURSUANT TO AND FOR THE PURPOSES OF THE AFOREMENTIONED PRESIDENTIAL DECREE NO. 445/2000 AND UNDER HIS OWN PERSONAL RESPONSIBILITY DECLARES THAT ALL THE INFORMATION INCLUDED IN MY CURRICULUM VITAE IS TRUE.

RESEARCH INTERESTS: Mesozoic calcareous nannofossils. Biostratigraphy and Timescales. Paleoecology and Paleoceanography. Past Greenhouse worlds. Evolutionary history and dynamics of calcareous nannoplankton. Calcareous nannoplankton biomineralization. Oceanic Anoxic Events and organic C-rich black shales. Cyclostratigraphy. Biogenic nannofossil carbonate fluxes and paleo-pCO₂ reconstructions. Biosphere-geosphere interactions.

(co)Author of ~190 papers on stratigraphy and paleoceanography. The ground-breaking nature of the track record is demonstrated by publications in top peer-reviewed journals such as Science, Nature, and Nature Geoscience; the five most-cited paper (ca. 2000 citations) unravel the interplay between global change, oceanic ecosystem dynamics (calcareous nannoplankton), volcanism, CO₂ and palaeoclimate.

BIBLIOMETRICS (January 2024)

Total Citations: ~9500 SCOPUS

H Index: 54 SCOPUS

Within the Top Italian Scientists - Earth Sciences since 2015

EDUCATION:

1982: Laurea cum laude in Geological Sciences at the Department of Earth Sciences of the University of Milano, Italy.

1987: PhD in Earth Sciences at the Department of Earth Sciences of the University of Milano, Italy.

1987-1988: post-DOC at Geologisches Ins., ETH-Zurich (Switzerland).

POSITION:

2005- present: Full Professor -Dept. of Earth Sciences, Univ. of Milan

2000-2004: Associate Professor- Dept. of Earth Sciences, Univ. of Milan

1990-2000: Researcher - Dept. of Earth Sciences, Univ. of Milan

POSITIONS at the University of Milan:

2023 – present: Assicuratore Qualità del Dottorato di Ricerca in Scienze della Terra e Corsi di Laurea Sc. Geologiche e Scienze della Terra

2018-2021: Member of the Senato Accademico

2011-2018: Coordinator of the PhD Program in Earth Sciences

2011-2013: Director of the Graduate School of Earth, Environment and Biodiversity

2008-2010: Coordinator of Committee for International programs (Faculty of Natural Sciences)

2007-2008: Member of Commissione d'Ateneo per la Ricerca Scientifica e il Trasferimento Tecnologico

2006-2011: Chair of the Comitato d'Area 4- Geological Sciences

2006-2007: Secretary of Faculty of Natural Sciences

2005-2011: Member of the Council of the Graduate School of Earth, Environment and Biodiversity

2004-2006: Member of Comitato d'Area 4- Geological Sciences

NATIONAL AND INTERNATIONAL POSITIONS

2024-: Chair of the International Commission on Stratigraphy -IUGS

2023-present: President of IODP-Italia

2022: Socio Nazionale of Accademia Nazionale dei Lincei

2021: Member Comitato di Selezione PRIN 2020 (PE10)

2019: Socio eletto dell'Istituto Lombardo di Scienze e Lettere

2019-2023: President of IODP-Italia

2018: Member of the Società Geologica Italiana Council

2015-2020: Member of the IODP (International Ocean Discovery Program) Curatorial Board

2015-2018: Member of the Committee IODP-Italia

2015-2017: President of the Società Geologica Italiana

2013- 2022: Member of Accademia Nazionale dei Lincei

2011-2012: Member of the national Research Evaluation Committee – ANVUR VQR 2004-2010 (GEV04-Earth Sciences)

2010: Member of the IODP Third Review Panel

2009-2014: Vice-President of the Società Geologica Italiana

2009-2014: Member of Council of the Società Geologica Italiana

2008- 2014: President of Comitato IODP-Italia

2008- 2014: Italian Delegate in ESSAC (ECORD)

2006-2007: Vice-President of Gruppo di Riferimento IODP-Italia

2005-2010: Permanent Alternate ECORD in IODP-SSEP

2004- 2007: CONISMA delegate in the Gruppo di Riferimento IODP-Italia

2003-2004: ANDRILL Italian Steering Committee

2000-2008: Voting member of International Subcommission on Cretaceous Stratigraphy (IUGS)

2000-2006: Member of Council of the Società Paleontologica Italiana

1997-2000: Secretary of the Società Paleontologica Italiana

1995-1998: Member of the Ocean History Panel (ESCO delegate) of the Ocean Drilling Program 1994 - present: Chairman of the APTIAN Working Group of the Int. Subcom. on Cretaceous Stratigraphy (IUGS)

1989-1990: Scientific Coordinator of ESCO (ESF Scientific Committee for the ODP)

AWARDS AND HONORS

2022 - J.B. Lamarck Medal – European Geoscience Union

2017 - Finalist Premio ROSA (Risultati Ottenuti Senza Aiuti) - XIII edizione - del CANOVA Club

2016 - Premio Donna 2016 “Eccellenze femminili del territorio” attribuito da FIDAPA (Federazione Italiana Donne Arti Professioni Affari)-BPW Italy (INTERNATIONAL FEDERATIONAL OF BUSINESS AND PROFESSIONAL WOMEN_BPW ITALY)

2013 - Elected Member of the Academia Europaea - Section Earth and Cosmic Sciences

2012 - Tartufari Prize for Geosciences of the Accademia Nazionale dei Lincei

2006 - “Exceptional Reviewer” for the journal GEOLOGY

FUNDED PROJECTS

2023-2025: “Conservation of life on Earth: the fossil record as an unparalleled archive of ecological and evolutionary responses to past warming events” (Bando PRIN 2020)

2019-2021: “Biota resilience to global change: biomineralization of planktic and benthic calcifiers in the past, present and future” (Bando PRIN 2017 - **PI**)

2017-2018: “Depositional characterization of organic-rich facies in deep and ultra-deep water areas: Biostratigraphic and Paleoceanographic characterization” (**PI** di Convenzione con Eni spa)

2013-2015: Past ExcessCO₂ worlds: biota responses to extreme warmth and ocean acidification (PRIN 2010-2011 – **PI**)

- 2010: Fondazione Cariplo “Promuovere la formazione di capitale umano d’eccellenza” – Project: “pCO₂ effects on the production of pelagic biogenic carbonate: case histories from the Cretaceous ocean”
- 2007-2009: Calcareous plankton evolutionary accelerations and their relationships to global changes during the Mesozoic and Cenozoic. Do global changes matter or not? (Grant MIUR-PRIN 20072007W9B2WE_001, **PI**)
- 2005-2007: Biotic Evolution and Global Change: selected Late Mesozoic-Early Cenozoic case histories of pelagic ecosystems archived in the Ocean Drilling Program (ODP) and land-section sediments. (Grant MIUR-PRIN n. 2005044839_001, **PI**)
- 2003-2005: Climatic variability and transitions from greenhouse to icehouse worlds: Evidence from deep-sea (ODP) and land pelagic sediments (Valanginian to Oligocene). (Grant MIUR-PRIN n. 2003041915_001, **PI**)
- 2001-2003: Cretaceous to Paleogene extreme climates and transient climatic events as documented in ODP sediments and on land pelagic successions. (Grant MIUR-SAUS n. 2001048975_001)
- 2000-2003 C/T-Network - Rapid global change during the Cenomanian/Turonian oceanic anoxic event: Examination of a natural climatic experiment in Earth history. EC- funded Human Potential Programme Research Training Network HPRN-CT-1999-00055 (Scientific Coordinator of the Milan Unit)
- 1999-2001: Calcareous nannofossil and planktonic foraminiferal high-resolution biostratigraphy of Cretaceous to Pleistocene deep-sea sedimentary successions from the Pacific, Atlantic and Indian Oceans. (Grant MIUR-SAUS n. 9904152971_001)
- 1998-2000 SAP – Sapropels and Paleoceanography EC- funded project MAS3-CT97-0137 (**Scientific Coordinator** of the Milan Unit)
- 1996-1999 – APTICORE Project Co-funded by U. S. National Science Foundation grant EAR9405108 to R.L.Larson and by Italian Consiglio Nazionale delle Ricerche grant CT.05.115.29570B/0004 to E.Erba (**PI**)

EDITORIAL BOARDS

Associate Editor: Rendiconti Lincei – Scienze Fisiche e Naturali (since 2016); Newsletters on Stratigraphy (since 2012); Italian Journal of Geosciences (2009-2014); Terra Nova (2008-2015); Swiss Journal of Geosciences (2004-2012)

ORGANISATION OF INTERNATIONAL CONFERENCES

EUG 11 (Strasbourg, France, 8-12 April 2001)

- * Co-convener of Symposium EVO5: Rapid changes in Mesozoic paleoceanography: micropaleontological, sedimentological and geochemical proxies.

9th International Nannoplankton Association Conference (Parma, Italy, 9-12 Sept. 2002)

- * Member of the Organizing Scientific Committee
- * Co-convener of Workshop on “Nannofossil paleoceanography”

EGS-AGU-EUG Joint Assembly (Nice, France, 6-11 April, 2003)

- * Co-convener of Session CL11.25 “Extreme climates during the Paleogene and Cretaceous: evolution and impacts”

32nd International Geological Congress (Florence, Italy, 20-28 August 2004)

- * Co-convener of Topical Symposium T18.03 “Biomineralization in the Cretaceous oceans”

AGU Fall Meeting 2006 (San Francisco, USA, 11-15 December 2006)

- * Co-convener of Special Session PP05: “Oceanic Anoxic Events: Current understanding, future challenges”

IODP-WORKSHOP “Investigating Large Igneous Province Development and Consequences” (Coleraine, N Ireland, 22-25 July 2007)

- * Member of the Scientific and Steering Committee

VI Forum Italiano di Scienze della Terra GEOITALIA 2007 (Rimini, Italy, 11-14 Sept. 2007)

- * Co-convener of Workshop W-11 Partecipazione italiana al Progetto di Perforazione Oceanica IODP (Integrated Ocean Drilling Program)

AGU Fall Meeting 2008 (San Francisco, USA, 15-19 December 2008)

* Co-convenor of Session V24A “Large Igneous Provinces, Mass Extinctions, Impacts, and Global Environmental Change”

IUGS- SubCommission on Cretaceous Stratigraphy - 3rd Jurassic/Cretaceous boundary workshop (Milano, Italy, 6-8 March 2009)

* Convener

* Organizer and Leader of the Field trip

VII Forum Italiano di Scienze della Terra GEOITALIA 2009 (Rimini, Italy, 11 -13 Sept. 2009) *

Co-Convener of Session R2 “La perforazione oceanica: risultati scientifici dalle campagne

Ocean Drilling Program e Integrated Ocean Drilling Program”

International Conference “The Colors of Cretaceous and Paleogene Oceans” (VerbaniaPallanza, Italy, 16-19 May 2010) * Principal Organizer

EarthTime-EU Project (ESF) – Workshop on calcareous plankton biostratigraphy (Milano, 15-16 January 2011)

* Principal Organizer

AAPG-ICE (International Conference & Exhibition) (Milano, 23-26 October 2011)

* Chair of the “Short Courses” Committee

AGU Fall Meeting 2011 (San Francisco, USA, 5-9 December 2011)

*Co-convenor of Session V27: Origin, Structure, and History of Oceanic Plateaus

IODP Workshop "Exploring the Cretaceous Greenhouse through Scientific Drilling" April 15-17, 2013 - London, United Kingdom

*Co-Convener

CHIKYU International Workshop (April 21-23, 2013 - Tokyo, Japan)

* Member of the Steering Committee

International Workshop EARTHTIME-EU: Exploring the Cretaceous world: data and numerical models at work to fill gaps (Torretta Granitola, Italy - 2 - 4 October 2014) *Member of the Steering Committee

The future of Italian Geosciences –Congress of Italian Geological Society (Milano, 8-12 September 2014) * Chair of the Congress

Workshop “Guiding questions for an Italian carbon initiative” (Milano, 13 Sept. 2014)

* co-Chair

Workshop "Le geoscienze e il ciclo del carbonio" (Milano, 18-19 Febbraio 2015)

* co-Chair

International Nannoplankton Association Meeting 16 (Athens, Greece, 24-28 September 2017)

*Member of the Scientific Committee

AAPG Workshop “Biogenic Gas and Hydrates: New Opportunities and Future Challenges” (Milano, Italy – 20-21 June 2018)

* Co-Chair

STRATI 2019 (Milano, Italy, 2-6 July 2019)

* co-Chair

Il tempo del pianeta Terra e il tempo dell’uomo: le Geoscienze tra passato e futuro –Congress of Italian Geological Society (Parma 16-19 September 2019)

* Member of the Scientific Committee

Geology without Borders –Congress of Italian Geological Society (Trieste, 14-17 September 2021)

*Member of the Scientific Committee

TUTOR OF PhD STUDENTS:

Davide Castradori PhD 1992 Francesca Lozar PhD 1993 Fabrizio Tremolada PhD 2004.

Bianca De Bernardi PhD 2005

Paola Tamagnini PhD 2008

Cristina E.Casellato PhD 2009

Daniele Tiraboschi PhD 2010

Cinzia Bottini PhD 2011
Fabio Russo PhD 2014
Gabriele Gambacorta PhD 2014
Giulia Faucher PhD 2015
Stefano Visentin, PhD 2020
Francesco Miniati, PhD 2021
Liyenne Cavaleiro, PhD 2022
Mara Fant, ciclo 39

Post-DOCs:

Alessandra Negri, 1993-1995
Ben Walsworth-Bell, 2000-2003 Bianca De Bernardi, 2005-2009
Cristina E. Casellato, 2011-2016
Giulia Faucher, 2015-2019
Silvia Gilardoni, 2017-2018
Carla Moeller, 2017-2018
Victor Giraldo Gomez, 2018-2021
Stefano Visentin, 2021-2022

OUTREACH activities

- 2024: Salone del Libro di Torino:** E. Erba presenta "*Storie di supervulcani, oceani, fiori, ghiaccio*".
Padiglione Oval-Bosco degli Scrittori, 13 Maggio 2024, ore 15.15-16.15. Evento organizzato dalla Società geologica Italiana. Con Luigi Bignami e Rodolfo Carosi
- 2023: Giornata Internazionale delle Donne e Ragazze nella Scienza: LE ACCADEMICHE LINCEE INCONTRANO... LE FUTURE SCIENZIATE** - Accademia Nazionale dei Lincei, 11 Febbraio 2023
*Co-Organizzatrice e Relatrice
- 2022:** Partecipazione al programma RAI "KILIMANGIARO" – intervista andata in onda il 14 Agosto 2022.
- 2021: #iogeologo: iniziativa per promuovere la figura del geologo e l'orientamento in ingresso ai corsi di laurea in Scienze Geologiche** – Ideato e finanziato dalla Società Geologica Italiana
*Co-Organizzatrice
- 2021: Film Festival ON THE ROCKS 2021** – Società Geologica Italiana
*Co-Organizzatrice
- 2021: Giornata Internazionale delle donne e delle ragazze nella Scienza 2021** - Anche la cancellazione è violenza: storie di donne di Scienza – *Iniziativa dell'Istituto Nazionale di Geofisica e Vulcanologia*
"Da allieva a maestra: E. Erba intervista I. Premoli Silva"
<https://www.youtube.com/watch?v=PChWv79lzs&feature=youtu.be>
- 2020: Le Serie di Rai Cultura - I Lincei per il clima**
Rai Cultura, in collaborazione con L'Accademia Nazionale dei Lincei, presenta 16 puntate sul clima e il cambiamento climatico in un momento storico in cui il complesso delle condizioni meteorologiche muta repentinamente in ogni angolo del pianeta.
* Autrice e Docente della puntata "Le rocce raccontano il clima negli ultimi 700 milioni di anni"
- 2019: Inspiring Girls** Istituto Comprensivo R. Massa in Via Quarenghi, 12, Milano. 29/03/2019
*Role Model
- 2019: Video contest ON THE ROCKS 2019** – Società Geologica Italiana
*Co-Organizzatrice
- 2018: Video contest ON THE ROCKS 2018** – Società Geologica Italiana
*Co-Organizzatrice
- 2017: Video contest ON THE ROCKS 2017** – Società Geologica Italiana
*Co-Fondatore, Co-Organizzatrice

2015: Geospettacolo "TERRA CAMBIA" – Firenze, 4 Settembre 2015. Università degli Studi di Firenze (Aula Magna)

*Co-Ideatrice, Co-Organizzatrice, Attrice

2014: Geospettacolo "GEOLOGI, NON PER CASO" – Milano, 12 Settembre 2014. Università degli Studi di Milano (Aula Magna) *Co-Ideatrice, Co-Organizzatrice

PUBLICATIONS

- 1- **Erba E.** in Scientific Staff Cruise BAN-84 (1985) - Gypsum precipitation from cold brines in an anoxic basin in the eastern Mediterranean. *Nature*, v. 314, n. 6007, pp. 152-154, 4 fig., Basingstoke.
- 2- Cita M.B., Aghib F., Cambi A., Camerlenghi A., Corselli C., **Erba E.**, Giambastiani M., Herbert T., Kastens K., Leoni C., Malinverno P., McCoy F.W., Nosetto A., Parisi E., & Spezzibottani G. (1985) - Precipitazione attuale di gesso in un bacino anossico profondo: prime osservazioni geologiche, idrologiche, paleontologiche sul Bacino Bannock (Mediterraneo orientale). *Giornale di Geologia*, s. 3, v. 47, n. 1-2, pp. 143-163, Bologna
- 3- **Erba E.** (1986) - I Nannofossili calcarei nell'Aptiano-Albiano (Cretacico inferiore): biostratigrafia, paleoceanografia e diagenesi degli Scisti a Fucoidi del Pozzo Piobbico (Marche). *PhD Thesis*, Univ. Milano, 313 pp., 26 tav., 48 fig., Milano.
- 4- Violanti D., Parisi E. & **Erba E.** (1987) - Fluttuazioni climatiche durante il Quaternario nel Mar Tirreno, Mediterraneo occidentale (carota PC-19 Ban 80). *Rivista Italiana di Paleontologia e Stratigrafia*, v. 92, n. 4, pp. 515-570, 3 tav., 12 fig., 3 tab., Milano.
- 5- **Erba E.** & Parisi E. (1987) - Lamine gelatinose ritrovate in un bacino anossico del Mediterraneo Orientale. *Rendiconti dell' Accademia Nazionale dei Lincei*, v. 80, f. 5 (1986), pp. 299-305, 1 tav., 3 fig., Roma.
- 6- **Erba E.** & Quadrio B. (1987) - Biostratigrafia a Nannofossili calcarei, Calpionellidi e Foraminiferi planctonici della Maiolica (Titoniano superiore-Aptiano) affiorante nelle Prealpi Bresciane (Italia settentrionale). *Rivista Italiana di Paleontologia e Stratigrafia*, v. 93, n.1, pp. 3-108, 11 tav., 12 fig., 4 tab., Milano.
- 7- **Erba E.**, Parisi E. & Cita M.B. (1987) - Stratigraphy and sedimentation in the Western Strabo Trench, Eastern Mediterranean. *Marine Geology*, v. 75, pp. 57-75, 10 fig., 5 tab., Amsterdam.
- 8- Parisi E., **Erba E.** & Cita M.B. (1987) - Stratigraphy and sedimentation in the anoxic Bannock Basin (Eastern Mediterranean). *Marine Geology*, v. 75, pp. 93-117, 12 fig., 6 tab., Amsterdam.
- 9- **Erba E.**, Rodondi G., Parisi E., Ten Haven H.L., Nip M. & De Leeuw J.W. (1987) - Gelatinous pellicles in deep anoxic hypersaline basins from the Eastern Mediterranean. *Marine Geology*, v. 75, pp. 165-183, 11 fig., 3 tab., Amsterdam.
- 10- Lecca L., Carboni S., **Erba E.**, Muller C., Pisano S., Sechi F. & Tilocca G. (1987) - Campagna oceanografica "Margini continentali Sardi 1985": resoconto e risultati preliminari. *Rendiconti della Società Geologica Italiana*, v. 10, pp. 61-64, 6 fig., Roma.
- 11- **Erba E.** (1988) - Aptian-Albian calcareous nannofossil biostratigraphy of the Scisti a Fucoidi cored at Piobbico (Central Italy). *Rivista Italiana di Paleontologia e Stratigrafia*, v.94, n.2, pp. 249-284, 1 tav., 4 fig., 1 tab., Milano.
- 12- Premoli Silva I., **Erba E.** & Tornaghi M.E. (1987) - Mid Cretaceous Corg-rich pelagic facies: their climatic significance and relationship with changes in primary productivity. *Accademia Nazionale dei Lincei, A Mid-Term Conference, Lithosphere Program*, pp. 261-276, 6 fig., Roma.
- 13- Cita M.B., Fornaciari M., Camerlenghi A., Corselli C., **Erba E.**, McCoy F.W. & Vezzoli L. (1988) - Anoxic basins of the Eastern Mediterranean: new evidence from the Bacino Bannock area. *Memorie della Società Geologica Italiana*, v. 36 (1986), pp. 131-144, 7 fig., 1 tab., Roma.
- 14- **Erba E.** (1988) - Prae-Jurassic and Jurassic calcareous nannofossil bibliography: an update. *I.N.A. Newsletter*, v. 10, n. 2, pp. 94-102, London.
- 15- Premoli Silva I., **Erba E.** & Tornaghi M.E. (1989) - Paleoenvironmental signals and changes in surface fertility in Mid Cretaceous Corg-rich pelagic facies of the Fucoid Marls (Central Italy). *Geobios*, 1989, Mem. 11, pp. 225-236, 6 fig., 3 tab., Lyon.

- 16- **Erba E.** (1989) - Calcareous nannofossils from the Bas Auran section. In: Innocenti M., Mangold G., Pavia G. e Torrens H. "A proposal for the formal ratification of the basal boundary stratotype of the Bathonian stage based on a Bas Auran section (SE France)", *Proc. 2° Int. Symposium on Jurassic Stratigraphy*, Lisbona, 1988, pp. 333-346, 1 fig.
- 17- Bersezio R., **Erba E.** & Fornaciari M. (1989) - The Barremian-Turonian erosional unconformity in the M. Misma area (Lombardy Basin, Southern Alps). *Rivista Italiana di Paleontologia e Stratigrafia*, v. 94, n. 4, pp. 619-630, 7 fig., Milano.
- 18- Robba E., Sartono S., Violanti D. & **Erba E.** (1989) - Early Pleistocene gastropods from Timor (Indonesia). *Memorie di Scienze Geologiche*, v. 41, pp. 61-113, 7 tav., 4 fig., 3 tab., Padova.
- 19- **Erba E.** (1989) - New findings of gelatinous pellicles from the anoxic Bannock and Tyro basins. Reports of the "Conference on the Anoxic Basins of the Eastern Mediterranean", *Suppl. Ricerca Scientifica, Univ. Studi Milano*, pp. 45-46., Milano.
- 20- **Erba E.** (1989) - Stratigraphy of cruise Tyro-87 cores from Bannock, Tyro and Kretheus basins. Reports of the "Conference on the Anoxic Basins of the Eastern Mediterranean", *Suppl. Ricerca Scientifica, Univ. Studi Milano*, pp. 20-21, 2 fig., Milano.
- 21- **Erba E.**, Coccioni R. & Premoli Silva I. (1989) - The "Scisti a Furoidi" in the Umbria-Marche area: The Apecchiese road sections. *Memorie Descrittive della Carta Geologica d' Italia*, v. 39, pp. 146-164, 12 fig., Roma.
- 22- **Erba E.** (1989) - Upper Jurassic to Lower Cretaceous *Nannoconus* distribution in some sections from northern and central Italy. *Memorie di Scienze Geologiche*, v. 61, pp. 255-261, 1 fig., 1 tab., Padova.
- 23- Cita M.B., Camerlenghi A., **Erba E.**, McCoy F.W., Castradori D., Cazzani A., Guasti G., Giambastiani M., Lucchi R., Nalli V., Pezzi G., Redaelli M., Rizzi E., Torricelli S. & Violanti D. (1989) - Discovery of mud diapirism in the Mediterranean Ridge. A preliminary report. *Bollettino della Società Geologica Italiana*, v. 108, pp. 537-543, 4 fig., 1 tab., Roma.
- 24- Cita M.B., Aghib F., Arosio S., Folco E., Lamberto S., **Erba E.** & Rizzi A. (1989) - Bacterial colonies and manganese micronodules related to fluid escape on the crest of the Mediterranean Ridge. *Rivista Italiana di Paleontologia e Stratigrafia*, v. 95, n.3, pp. 315-336, 3 tav., 5 fig., 4 tab., Milano.
- 25- Pirini Radrizzani C., Castradori D., **Erba E.**, Guasti G. & Rizzi A. (1989) - A revised method for observing the same nannofossil specimens with scanning electron microscope and light microscope. *Rivista Italiana di Paleontologia e Stratigrafia*, v. 95, n. 4, pp. 449-454, 3 fig., Milano.
- 26- **Erba E.** (1990) - Calcareous nannofossil biostratigraphy of some Bajocian sections from the Digne area (SE France). *Memorie Descrittive della Carta Geologica d' Italia*, v. 40, pp. 237-256, 3 tav., 6 fig., Roma.
- 27- **Erba E.** & Pavia G. (1990) - Record of the discussion about the proposals for the Bajocian G.S.S.P. *Memorie Descrittive della Carta Geologica d' Italia*, v. 40, pp. 63-68, Roma.
- 28- **Erba E.** in ODP Leg 129 Shipboard Party (1990) - Ancient crust on Pacific plate. *Nature*, v. 345, pp. 112, 1 fig., Basingstoke.
- 29- **Erba E.** in ODP Leg 129 Scientific Party (1990) - Jurassic oceanic crust and sediments in the Pacific, at last. *Geotimes*, June 1990, pp.25-26, 3 fig.
- 30- **Erba E.** in Lancelot, Y. Larson R.L. and Scientific Party of ODP Leg 129 (1990) - *Proceedings of the Ocean Drilling Program, Initial Reports*, Volume 129, College Station, Texas.
- 31- **Erba E.** (1991) - Deep mid-water bacterial mats from anoxic basins of the Eastern Mediterranean. *Marine Geology*, v. 100, pp. 83-101, 13 fig., 3 tab., 1991, Amsterdam.
- 32- **Erba E.** (1991) - Le nannoflore calcaree del Cretacico medio dell'Oceano Pacifico occidentale (ODP Leg 129): Evidenze della migrazione della placca pacifica verso il paleoequatore. *Paleopelagos*, v. 1, pp. 71-77, 3 fig., 1 tab., Roma.
- 33- Cobianchi M., **Erba E.** & Pirini Radrizzani C. (1992) - Evolutionary trends of calcareous nannofossil genera *Lotharingius* and *Watznaueria* during the Early and Middle Jurassic. *Memorie di Scienze Geologiche*, v. 43, pp. 19-25, 2 fig., 1 tab., Padova.
- 34- **Erba E.**, Castradori D. & Cobianchi M. (1992) - Compilation of Upper Triassic and Jurassic calcareous nannofossil ranges. *Memorie di Scienze Geologiche*, v. 43, pp. 27-40, 2 fig., Padova.

- 35- **Erba E.**, Castradori D., Guasti G. & Ripepe M. (1992) - Calcareous nannofossils and Milankovitch cycles: The example of the Albian Gault Clay Formation (Southern England). *Palaeoclimatology Palaeogeography Palaeoceanography*, v. 93, pp. 47-69, 11 fig., 4 tab., Amsterdam.
- 36- Channell J.E.T. & **Erba E.** (1992) - Early Cretaceous polarity chrons CM0 to CM11 recorded in Northern Italian land sections near Brescia (Northern Italy). *Earth and Planetary Science Letters*, v. 108, pp. 161-179, 17 fig., 3 tab., Amsterdam.
- 37- **Erba E.** (1992) - Calcareous nannofossil distribution in pelagic rhythmic sediments (Aptian-Albian Piobbico core, Central Italy). *Rivista Italiana di Paleontologia e Stratigrafia*, v. 97, pp. 455-484, 18 fig., Milano.
- 38- Camerlenghi A. & **Erba E.** (1992) - Extreme deep-sea environment of the Eastern Mediterranean anoxic basins: the state of the art. *Rivista Italiana di Paleontologia e Stratigrafia*, v. 97, pp. 695-708, 4 fig., Milano.
- 39- Lini A., Weissert H. & **Erba E.** (1992) - The Valanginian carbon isotope event: a first episode of greenhouse climate conditions during the Cretaceous. *Terra Nova*, v. 4, pp. 374-384, 11 fig., Oxford.
- 40- Coccioni R., **Erba E.** & Premoli Silva I. (1992) - Barremian-Aptian calcareous plankton biostratigraphy from the Gorgo Cerbara section (Marche, central Italy) and implications for plankton evolution. *Cretaceous Research*, v. 13, pp. 517-537, 12 fig., London.
- 41- **Erba E.** & Covington J.M. (1992) - Calcareous nannofossil biostratigraphy of Mesozoic sediments recovered from the western Pacific, Leg 129. *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 129, pp. 179-187, 2 fig., 4 tab., College Station, Texas.
- 42- **Erba E.** (1992) - Middle Cretaceous calcareous nannofossils from the Western Pacific (ODP Leg 129): Evidence for paleoequatorial crossings. *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 129, pp. 189-201, 8 fig., 2 tab., College Station, Texas.
- 43- Larson R.L., Steiner M., **Erba E.** & Lancelot Y. (1992) - Paleolatitudes and tectonic reconstructions of the oldest portion of the Pacific plate: a comparative study. *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 129, pp. 615-631, 12 fig., College Station, Texas.
- 44- Barberis A., Fossati S., Bersezio R. & **Erba E.** (1992) - Lithostratigraphy and biostratigraphy of the Maiolica formation from the Lombardy Basin (Southern Alps). *Memorie della Società Geologica Italiana*, v. 45, pp. 111-117, 2 fig., Roma.
- 45- Channell J.E.T., **Erba E.** & Lini A. (1993) - Magnetostratigraphic calibration of the Late Valanginian carbon isotope event in pelagic limestones from Northern Italy and Switzerland. *Earth and Planetary Science Letters*, v. 118, pp. 145-166, 14 fig., 2 tab., Amsterdam.
[https://doi.org/10.1016/0012-821X\(93\)90165-6](https://doi.org/10.1016/0012-821X(93)90165-6)
- 46- **Erba E.** in ODP Leg 144 Scientific Party (1993) - Insight on the formation of Pacific Guyots from ODP Leg 144. *EOS*, v. 74, pp. 358-366, 1 fig., 1 tab., Washington D.C.
- 47- **Erba E.** in Premoli Silva I., Haggerty J. A., Rack F.R. and Scientific Party of ODP Leg 144 (1993) - *Proceedings of the Ocean Drilling Program, Initial Reports*, Volume 144 College Station, Texas.
- 48- Larson R.L., Fischer A.G., **Erba E.** & Premoli Silva I. (1993) - APTICORE-ALBICORE: A workshop Report on Global Events and Rhythms of the mid-Cretaceous. 4-9 October 1992, Perugia, Italy, 56 pp., Washington D.C.
- 49- **Erba E.** (1993) - The Early Aptian "nannoconid crisis": a paleobiologic response to global change. *Paleopelagos*, v. 3, pp. 59-73, 6 fig., Roma.
- 50- **Erba E.** & Premoli Silva I. (1993) - Orbitally driven cycles in trace fossil distribution from the Piobbico core (Late Albian, Central Italy). *IAS Special Publication*, v. 19, pp. 211-225, 10 figs., Blackwell, Oxford.
- 51- Gaetani M., Jadoul F., **Erba E.** & Garzanti E. (1993) - Jurassic and Cretaceous orogenic events in the North Karakoram: age constraints from sedimentary rocks. In Treloar P.J. & Searle M.P. (Eds.), *Himalayan Tectonics*, Geological Society Special Publication, no. 74, pp. 39-52, 9 fig., London.

- 52- **Erba E.** (1994) - Nannofossils and superplumes: the Early Aptian nannoconid crisis. *Paleoceanography*, v. 9, pp. 483-501, 12 fig., Washington D.C.
- 53- Sciunnach D. & **Erba E.** (1994) - Il "Selcifero" di Ligornetto (Canton Ticino). *Bollettino della Società Ticinese di Scienze Naturali*, v. 82, pp. 65-110, 2 fig., 16 pl., 3 tab., Lugano.
- 54- Cecca F., Pallini G., **Erba E.**, Premoli Silva I. & Coccioni R. (1994) - Hauterivian-Barremian chronostratigraphy based on ammonites, nannofossils, planktonic foraminifera, and magnetic chrons from the Mediterranean domain. *Cretaceous Research*, v. 15, pp. 457-467, 5 fig., London.
- 55- Channell J.E.T., **Erba E.**, Nakanishi M. & Tamaki K. (1995) - Late Jurassic - Early Cretaceous timescales and oceanic magnetic anomaly block models. In *Geochronology Time Scales and Global Stratigraphic Correlation*, *SEPM Special Publication* n. 54, pp. 51- 63, 16 fig., 4 tab., Tulsa.
- 56- Herbert T.D., Premoli Silva I., **Erba E.** & Fischer A.G. (1995) - Orbital chronology of Cretaceous-Paleocene marine sediments. In *Geochronology Time Scales and Global Stratigraphic Correlation*, *SEPM Special Publication* n. 54, pp. 81-93, 11 fig., 2 tab., Tulsa.
- 57- **Erba E.** (1995) - Quantitative nannofossil biostratigraphy of Quaternary sequences from guyots in the central and western Pacific Ocean (ODP Leg 144). *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 3-20, 6 fig., 6 tab., College Station, Texas.
- 58- **Erba E.**, Watkins D. & Mutterlose J. (1995) - Campanian dwarf calcareous nannofossils from Wodejebato Guyot (Leg 144). *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 141-156, 6 fig., 8 tab., 2 pl., College Station, Texas.
- 59- **Erba E.**, Premoli Silva I. & Watkins D. (1995) - Cretaceous calcareous plankton biostratigraphy of Sites 872 through 879 (ODP Leg 144). *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 157-169, 2 fig., 10 tab., College Station, Texas.
- 60- **Erba E.**, Premoli Silva I., Wilson P.A., Pringle M.S., Sliter W.V., Watkins D.K., Arnaud Vanneau A., Bralower T.J., Budd A.F., Camoin G.F., Masse J., Mutterlose J. & Sager W.W. (1995) - Synthesis of stratigraphies from shallow-water sequences at Sites 871 through 879 in the western Pacific Ocean (Leg 144). *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 873-885, 8 fig., College Station, Texas.
- 61- Larson R.L., **Erba E.**, Nakanishi M., Bergersen D.D. & Lincoln J. (1995) - Stratigraphic, vertical subsidence, and paleolatitude histories of ODP Leg 144 guyots. *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 915-933, 13 fig., 2 tab., College Station, Texas.
- 62- Watkins D., **Erba E.** & Premoli Silva I. (1995) - Manganese-encrusted hardgrounds from the Cretaceous and Paleogene of the Marshall Islands. *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 97-126, 4 fig., 2 tab., 6 pl., College Station, Texas.
- 63- Rack F.R., Janecek T.R., **Erba E.**, Fenner J. & Gee J. (1995) - Synthesis of eolian and biostratigraphic studies in the northwest Pacific with comparison to adjacent regions of the Pacific Gyre: evaluating the state-of-the-art in Pacific marine eolian research. *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 691-736, 13 fig., 2 tab., College Station, Texas.
- 64- Watkins D., Pearson, P.N., **Erba E.**, Bohrmann H.W., Boomer I., Fenner J., Hobbs P.R.N., Rack F.R., Shackleton N.J., Premoli Silva I. & Whatley R. (1995) - Stratigraphy and sediment accumulation patterns of the Upper Cenozoic pelagic carbonate caps of guyots in the northwestern Pacific Ocean. *Proceedings of the Ocean Drilling Program, Scientific Results*, v. 144, pp. 675-689, 9 fig., College Station, Texas.
- 65- Channell J.E.T, Cecca F. & **Erba E.** (1995) - Correlations of Hauterivian and Barremian (Early Cretaceous) stage boundaries to polarity chrons. *Earth and Planetary Science Letters*, 134, pp. 125-140, 12 fig., 2 tab., Amsterdam. [https://doi.org/10.1016/0012-821X\(95\)00111-O](https://doi.org/10.1016/0012-821X(95)00111-O)
- 66- Claps M., **Erba E.**, Masetti D. & Melchiorri F. (1995) - Milankovitch-type cycles recorded in Toarcian black shales from the Belluno Trough (Southern Alps, Italy). *Memorie di Scienze Geologiche*, v.47, pp. 179-188, 7 figs., 1 tab., Padova.
- 67- Baumgartner P.O., Martire L., Gorican S., O'Dogherty L., **Erba E.** & Pillevuit A. (1995) - New Middle and Upper Jurassic radiolarian assemblages co-occurring with ammonites and nannofossils from the Southern Alps (Northern Italy). *Mémoires de Géologie (Lausanne)*, v. 23, pp. 737-750, 8 fig., Lausanne.

- 68- Cita M.B., **Erba E.**, Lucchi R., Pott M., v.d. Meer R. and Nieto L. (1996) - Stratigraphy and sedimentation in the Mediterranean Ridge diapiric belt. *Marine Geology*, v. 132, pp. 131-150, 15 fig., 2 tab., Amsterdam.
- 69- Premoli Silva I., **Erba E.**, Spezzaferri S. & Cita M.B., 1996. Age variation in the source of the diapiric Mud Breccia along and across the axis of the Mediterranean Ridge Accretionary Complex. *Marine Geology*, v. 132, pp. 175-202, 3 tav., 8 fig., 2 tab., Amsterdam.
- 70- **Erba E.** (1996) - The Aptian Stage. *Bulletin Institut Royal des Sciences Naturelles de Belgique*, vol. 66 suppl, pp. 31-43, 5 fig, 1 tab., Brussels.
- 71- Bellanca A., Claps M., **Erba E.**, Masetti D., Neri R., Premoli Silva I. & Venezia F. (1996) - Sedimentology, calcareous plankton biostratigraphy, elemental and isotope geochemistry and characterization of limestone/marlstone cycles in the Albian-Cenomanian Cismon section (Venetian region, northern Italy). *Palaeoclimatology Palaeogeography Palaeoclimatology*, v. 126, pp. 227-260, 13 fig. 3 tab., Amsterdam.
- 72- Cecca F., Galeotti S., Coccioni R. & **Erba E.** (1996) - The "Faraoni Level" (uppermost Hauterivian, Lower Cretaceous) in the eastern part of Trento Plateau area (Southern Alps, Italy). *Rivista Italiana di Paleontologia e Stratigrafia*, v. 102, pp. 417-424, 5 fig., Milano.
- 73- **Erba E.** & Larson R.L. (1998) - The Cismon APTICORE (Southern Alps, Italy): a "reference section" for the Lower Cretaceous at low latitudes. *Rivista Italiana di Paleontologia e Stratigrafia*, v. 104, pp. 181-192, 4 fig., Milano.
- 74- Gaetani M., Balini M., Vuks V.J., Gavrilova V.A., Garzanti E., Nicora A., **Erba E.**, Cariou E., Cecca F., Premoli Silva I., Petrizzo M.R., Cirilli S. & Bucefalo Palliani R. (1998): Mesozoic of the Mangyshlak (Wests Kazakhstan). In: Peri-Tethys Memoire 4: Epicratonic Basin of Peri-Tethyan Platform, *Mémoires du Muséum National d' Histoire Naturelle*, v. 179, pp. 35-74, 14 fig., 6 tab., Parigi.
- 75- Hochuli P.A., Menegatti A.P., Weissert H., Riva A., **Erba E.** & Premoli Silva I. (1999) - Highproductivity and cooling episodes in the Aptian Alpine Tethys. *Geology*, v. 27, pp. 657-660, 2 fig., Boulder.
- 76- Larson R.L. & **Erba E.** (1999) - Onset of the mid-Cretaceous greenhouse in the Barremian-Aptian: Igneous events and the biological, sedimentary and geochemical responses. *Paleoceanography*, v. 14, pp. 663-678, 8 fig., 1 tab., Washington D.C.
- 77- **Erba E.**, Channell J.E.T., Claps M., Jones C., Larson R.L., Opdyke B., Premoli Silva I., Riva A., Salvini G., Torricelli S. (1999) - Integrated stratigraphy of the Cismon Apticore (Southern Alps, Italy): a "reference section" for the Barremian-Aptian interval at low latitudes. *Journal of Foraminiferal Research*, v. 29, pp. 371-391, 7 fig., 2 tab., Lawrence.
- 78- Premoli Silva I., **Erba E.**, Salvini G., Verga D. & Locatelli C. (1999) - Biotic changes in Cretaceous Anoxic Events. *Journal of Foraminiferal Research*, v. 29, pp. 352-370, 9 fig., 1 tab., 4 pl., Lawrence.
- 79- Mattioli E. & **Erba E.**(1999) - Synthesis of calcareous nannofossil events in the Tethyan Lower and Middle Jurassic. *Rivista Italiana di Paleontologia e Stratigrafia*, v. 105, pp. 343-376, 13 fig., 2 tab., 3 pl., Milano.
- 80- Zempolich W.G. & **Erba E.** (1999)- Sedimentologic and chemostratigraphic recognition of third-order sequences in resedimented carbonate: the Middle Jurassic Vajont Limestone, Venetian Alps, Italy. In Advances in "Carbonate Sequence Stratigraphy: Applications to Reservoirs, Outcrops and Models", *SEPM Special Publication* no. 63, pp. 335-370, 23 fig., 7 tab., Tulsa.
- 81- Channell J.E.T., **Erba E.**, Muttoni G., Tremolada F. (2000) - Early Cretaceous magnetic stratigraphy in the APTICORE drill core and adjacent outcrop at Cismon (Southern Alps, Italy), and correlation to the proposed Barremian/Aptian boundary stratotype. *Geological Society of America Bulletin*, v. 112, pp. 1430-1443, 13 fig., 4 tab., Boulder.
- 82- Hinnov, L.A. Park, J., and **Erba, E.** (2000) - Lower-Middle Jurassic rhythmites from the Lombard Basin, Italy: a record of orbitally forced carbonate cycles modulated by secular environmental changes in West Tethys, in R.L. Hall & P.L. Smith (eds.) *Advances in Jurassic Research 2000*, *Trans Tech Publications*, pp. 437-454.
- 83- Bellanca, A., **Erba, E.**, Neri, R., Premoli Silva, I., Sprovieri, M., Tremolada, F., and Verga, D. (2002) – Paleooceanographic significance of the Tethyan "Livello Selli" (Early Aptian) from the

Hybla Formation, northwestern Sicily: biostratigraphy and high-resolution chemostratigraphic records. *Palaeogeography Palaeoclimatology Palaeoecology*, v. 185, pp. 175-196, 8 figs., 1 tab., Amsterdam.

- 84- Bersezio R., **Erba E.**, Gorza M., and Riva A. (2002) - Berriasian – Aptian black shales of the Maiolica Formation (Lombardian Basin, Southern Alps - Northern Italy): local to global events. *Palaeogeography Palaeoclimatology Palaeoecology*, v. 180, pp. 253–275, 9 figs., 1 tab., Amsterdam.
- 85- Larson, R.L., Pockalny, R.A., Viso, R.F., **Erba, E.**, Abrams, L.J., Luyendyk, B.P, Stock, J.M., and Clayton, R.W. (2002) - Mid-Cretaceous tectonic evolution of the Tongareva triple junction in the southwestern Pacific basin. *Geology*, v. 30, pp. 67-70, 3 figs., Boulder.
- 86- Tremolada F. and **Erba E.** (2002) - Morphometric analyses of Aptian *Assipetra infracretacea* and *Rucinolithus terebrodentarius* nannoliths: Implications for taxonomy, biostratigraphy and paleoceanography. *Marine Micropaleontology*, v. 44, pp. 77-92, 7 figs., 2 pl., 2 tab., Amsterdam.
- 87- Akhmanov, G.G., Premoli Silva, I., **Erba, E.**, and Cita M.B. (2003) – Sedimentary succession and evolution of the Mediterranean Ridge western sector as derived from lithology of mud breccia clasts. *Marine Geology*, v. 195, pp. 277-299, 8 figs., 1 tab., Amsterdam.
- 88- **Erba, E.**, Bartolini, A., and Larson, R.L. (2004) - The Valanginian “Weissert Oceanic Anoxic Event”. *Geology*, v. 32, pp. 149-152, 3 fig., Boulder.
- 89- **Erba, E.**, and Tremolada, F. (2004) - Nannofossil carbonate fluxes during the Early Cretaceous: phytoplankton response to nutrification episodes, atmospheric CO₂ and anoxia. *Paleoceanography*, v. 19, 10.1029/2003PA000884, 10 fig., 1 tab., Washington D.C.
- 90- Crudeli, D., Young, J.R., **Erba, E.**, de Lange, G.J., Henriksen, K., Hanno Kinkel, H., Slomp, C.P., and Ziveri, P. (2004) - Abnormal carbonate diagenesis in Holocene-Late Pleistocene sapropel-associated sediments from the Eastern Mediterranean; evidence from *Emiliania huxleyi* coccolith morphology. *Marine Micropaleontology*, v. 52, pp. 217-240.
- 91- **Erba, E.** (2004) - Calcareous nannofossils and Mesozoic Oceanic Anoxic Events. *Marine Micropaleontology*, v. 52, pp. 85-106.
- 92- Tsikos, H., Jenkyns, H.C., Walsworth-Bell, B., Petrizzo, M.R., Forster, A., Kolonic, S., **Erba, E.**, Premoli Silva, I., Baas, M., Wagner, T., and Sinninghe Damsté, J.S. (2004) - Carbon-isotope stratigraphy recorded by the Cenomanian/Turonian Oceanic Anoxic Event: correlation and implications based on three keylocalities *Journal of the Geological Society, London*, v. 161, pp. 711-719.
- 93- Weissert, H. & **Erba, E.** (2004). - Volcanism, CO₂ and paleoclimate: a Late Jurassic-Early Cretaceous carbon and oxygen isotope record. *Journal of the Geological Society, London* v. 161, pp. 695-702.
- 94- Tsikos, H., Karakitsios, V., van Breugel, Y., Walsworth-Bell, B., Bombardiere, L., Petrizzo, M.R., Sinninghe Damsté, J.S., Schouten, S., **Erba, E.**, Premoli Silva, I., Farrimonnd, P., Tyson, R., and Jenkyns, H.C. (2004) – Organic-carbon deposition in the Cretaceous of the Ionian Basin, NW Greece: the Paquier Event (OAE1b) revisited. *Geological Magazine*, v. 141, pp. 401-416.
- 95- Thomson, J., Crudeli, D., de Lange, G.J, Slomp, C.P., **Erba, E.**, Corselli, C. & Calvert, S.E. (2004) – *Florisphaera profunda* and the origin and diagenesis of carbonate phases in eastern Mediterranean sapropel units. *Paleoceanography*, 19, 10.1029/2003PA000976
- 96- Kuypers, M.M., van Breugel, Y., Schouten, S., **Erba, E.** & Sinninghe Damsté, J.S. (2004) - N₂-fixing cyanobacteria fuelled Cretaceous oceanic anoxic events. *Geology*, v. 32, pp. 853-956.
- 97- Muttoni G., **Erba E.**, Kent, D.V. & Bachtadse, V. (2005) Mesozoic alpine facies deposition as a result of past latitudinal plate motion *Nature* v. 434, pp. 59-63.
- 98- Kolonic, S., Wagner, T., Forster, A., Sinninghe Damsté, J.S., Walsworth-Bell, B., **Erba, E.**, Turgeon, S., Brumsack, H.J., Chellai, E.H., Tsikos, H., Kuhnt, W., and Kuypers, M.M.M. (2005). Black shale deposition on the northwest African Shelf during the Cenomanian//Turonian oceanic anoxic event: Climatecoupling and global organic carbon burial. *Paleoceanography*, v. 20, PA1006, doi:10.1029/2003PA000950.
- 99- Tremolada, F., B. Van de Schootbrugge, and **E. Erba** (2005), Early Jurassic schizosphaerellid crisis in Cantabria, Spain: Implications for calcification rates and phytoplankton evolution across the Toarcian oceanic anoxic event, *Paleoceanography*, 20, PA2011, doi:10.1029/2004PA001120.

- 100- De Bernardi, B., Ziveri, P., **Erba, E.**, and Thunell, R.C. (2005), Coccolithophore export production during the 1997–1998 El Niño event in Santa Barbara Basin (California). *Marine Micropaleontology* 55: 107– 125
- 101- Principato, M.S., Crudeli, D., Ziveri, P., Slomp, C.P., Corselli, C., **Erba, E.**, de Lange, G.J. (2006). Phyto- and zooplankton paleofluxes during the deposition of sapropel S1 (eastern Mediterranean): biogenic carbonate preservation and paleoecological implications. *Palaeogeography Palaeoclimatology Palaeoecology*, 235: 8-27.
- 102- **Erba, E.** (2006). The first 150 million years history of calcareous nannoplankton: biosphere-geosphere interactions. *Palaeogeography Palaeoclimatology Palaeoecology*, 232: 237-250
- 103- Tremolada, F., **Erba, E.**, van de Schootbrugge, B. and Mattioli E. (2006) - Calcareous nannofloral changes during the late Callovian – early Oxfordian cooling phase. *Marine Micropaleontology* 59: 197-209.
- 104- Crudeli, D., Young, J.R., **Erba, E.**, Geisen, M., Ziveri, P., de Lange, G.J. and Slomp, C.P. (2006) - Fossil record of holococcoliths and selected hetero-holococcolith associations from the Mediterranean (Holocene–late Pleistocene): Evaluation of carbonate diagenesis and palaeoecological–palaeoenvironmental implications. *Palaeogeography, Palaeoclimatology, Palaeoecology* 237: 191 – 224
- 105- Tremolada F, **Erba E**, Bralower TJ, (2006) - Late Barremian to Early Aptian calcareous nannofossil paleoceanography and paleoecology from the Ocean Drilling Program Hole 641C (Galicia Margin). *Cretaceous Research* 27: 887-897.
- 106- van Breugel, Y., Schouten, S., Tsikos, H., **Erba E.**, Price G.D. and Sinninghe Damst, J.S.¹ (2007) - Synchronous negative carbon isotope shifts in marine and terrestrial biomarkers at the onset of the early Aptian oceanic anoxic event 1a: Evidence for the release of ¹³C-depleted carbon into the atmosphere. *Paleoceanography* 22, PA1210, doi:10.1029/2006PA001341.
- 107- Tremolada, F, **Erba, E.** and Bralower, T. (2007) - A review of calcareous nannofossil changes during the early Aptian Oceanic Anoxic Event 1a and the Paleocene-Eocene Thermal Maximum: The influence of fertility, temperature, and pCO₂. *The Geological Society of America Special Paper* 424: 87-96.
- 108- Clavel B., Charollais J., Conrad M., du Chene R.J., Busnardo R., Gardin S., **Erba E.**, Schroeder R., Cherchi A., Decrouez D., Granier B., Sauvagnat J., Weidmann M. (2007) - Dating and progradation of the Urgonian limestone from the Swiss Jura to South-East France. *Zeit. Dtsch. Gesell. Geowissenschaften* 148: 1025-1062.
- 109- De Bernardi, B., Ziveri, P., **Erba, E.** and Thunell, R.C. (2008) - Calcareous phytoplankton response to the last half century of interannual climatic variability in Santa Barbara Basin (California). *Paleoceanography* 23, PA2215, doi:10.1029/2007PA001503.
- 110- Tremolada, F., De Bernardi, B. and **Erba, E.** (2008) - Size variations of the calcareous nannofossil taxon *Discoaster multiradiatus* (Incertae sedis) across the Paleocene-Eocene Thermal Maximum in Ocean Drilling Program Holes 690B and 1209B. *Marine Micropaleontology* 67: 239-254.
- 111- Li, Y.-X., Bralower T.J., Montanez I.P., Osleger D.A., Arthur M.A., Bice D.M., Herbert T.D., **Erba E.**, and Premoli Silva I. (2008), Toward an orbital chronology for the early Aptian Oceanic Anoxic Event (OAE1a, ~120 Ma). *Earth Planet. Sci. Lett.* 271: 88–100.
- 112- Scopelliti, G., Bellanca, A., **Erba, E.**, Jenkyns, H.C., Neri, R., Tamagnini, P., Luciani, V. and Masetti, D. (2008) - Cenomanian–Turonian carbon-isotope records and biostratigraphy from key sections in Italy and north Africa: paleoceanographic and tectonic implications. *Palaeogeography Palaeoclimatology Palaeoecology* 265: 59-77.
- 113- De Lange G., Thomson J., Reitz A., Slomp C., Principato M.S., **Erba E.**, Corselli C. (2008) Synchronous basin-wide formation and redox-controlled preservation of a Mediterranean sapropel. *Nature Geoscience*, 1: 606-610.
- 114- Neal C.R., Coffin M.F., Arndt N.T., Duncan R.A., Eldholm O., **Erba E.**, Farnetani C., Fitton J.G., Ingle S.O.P., Ohkouchi N., Rampino M.R., Reichow M.K., Self S., and Tatsumi Y. (2008) - Investigating Large Igneous Province Formation and Associated Paleoenvironmental Events: A White Paper for Scientific Drilling. *Scientific Drilling* 6: 4- 18. doi:10.2204/iodp.sd.6.01.2008
- 115- Tremolada F., **Erba E.**, De Bernardi B., and Cecca F. (2009) - Calcareous nannofossil fluctuations during the late Hauterivian in the Cismon core (Venetian Alps, northeastern Italy) and

- in selected sections of the Umbria-Marche Basin (central Italy): paleoceanographic implications of the Faraoni Level. *Cretaceous Research* 30: 505-514.
- 116- Tiraboschi D., **Erba E.** and Jenkyns H.C. (2009) Origin of rhythmic Albian black shales (Piobbico core, central Italy): Calcareous nannofossil quantitative and statistical analyses and paleoceanographic reconstructions. *Paleoceanography* 24, PA2222, doi: 10.1029/2008PA001670
 - 117- Mehay S., Keller C.E., Bernasconi S.M., Weissert H., **Erba E.**, Bottini C., and Hochuli P.A (2009) - A volcanic CO₂ pulse triggered the Cretaceous Oceanic Anoxic Event 1a and a biocalcification crisis. *Geology* 37: 819-822.
 - 118- Fernandez-Lopez S.R., Pavia G., **Erba E.**, Guiomar M., Henriques M.H., Lanza R., Mangold C., Morton N., Olivero D., and Tiraboschi D. (2009) – Formal proposal for the Bathonian GSSP (Middle Jurassic) in the Ravin du Bés Section (Bas-Auran, SE France). *Swiss Journal of Geoscience* 102: 271-295.
 - 119- Fernandez-Lopez S.R., Pavia G., **Erba E.**, Guiomar M., Henriques M.H., Lanza R., Mangold C., Morton N., Olivero D., and Tiraboschi D. (2009) - The Global Boundary Stratotype Section and Point (GSSP) for base of the Bathonian Stage (Middle Jurassic), Ravin du Bes Section, SE France. *Episodes* 32: 222-248.
 - 120- Tiraboschi D. and **Erba E.** (2010) - Calcareous nannofossil biostratigraphy (Upper Bajocian-Lower Bathonian) of the Ravin du Bès section (Bas Auran, Subalpine Basin, SE France): evolutionary trends of *Watznaueria barnesiae* and new findings of "*Rucinolithus*" morphotypes". *GEOBIOS* 43: 59–76.
 - 121- Lanci L., Muttoni G., **Erba E.** (2010) – Astronomical tuning of the Cenomanian Scaglia Bianca Formation at Furlo, Italy. *Earth and Planetary Science Letter* 292: 231–237.
 - 122- Malinverno A., **Erba E.** and Herbert T. (2010) - Orbital tuning as an inverse problem: Chronology of the early Aptian Oceanic Anoxic Event 1a (Selli Level) in the Cismon APTICORE. *Paleoceanography* VOL. 25, PA2203, doi:10.1029/2009PA001769
 - 123- **Erba E.** and Casellato C.E. (2010) - Paleoceanografia del Giurassico nella Tetide occidentale: l'archivio geologico del Bacino Lombardo. *Atti dell'Istituto Lombardo* 54: 115-140.
 - 124- Channell, J.E.T., Casellato C.E., Muttoni G., **Erba E.** (2010) - Magnetostratigraphy, nannofossil stratigraphy and apparent polar wander for Adria-Africa in the Jurassic–Cretaceous boundary interval. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* , 293: 51-75 doi:10.1016/j.palaeo.2010.04.030
 - 125- Fraguas A. and **Erba E.** (2010) -Biometric analyses as a tool for the differentiation of two coccolith species of the genus *Crepidolithus* (Pliensbachian, Lower Jurassic) in the Basque-Cantabrian Basin (Northern Spain). *Marine Micropaleontology* 77: 125-136 doi:10.1016/j.marmicro.2010.08.004
 - 126- **Erba E.**, Bottini C., Weissert H.J., Keller C.E. (2010) - Calcareous Nannoplankton Response to SurfaceWater Acidification Around Oceanic Anoxic Event 1a. *Science* 329: 428-432. DOI:10.1126/science.1188886
 - 127- F. Jadoul, A. Lanfranchi, F. Berra, **E. Erba**, C.E. Casellato (2010). I sistemi carbonatici giurassici della Sardegna orientale (Golfo di Orosei) ed eventi deposizionali nel sistema carbonatico giurassico-cretacico della Nurra (Sardegna nord-occidentale). *GEOLOGICAL FIELD TRIPS*, vol. 2, p. 1-54, ISSN: 20384947, doi: 10.3301/GFT.2010.02
 - 128- Kuroda J., Tanimizu M., Hori R.S., Suzuki K., Ogawa N.O., Tejada, M.L., Coffin M.F., Coccioni R., **Erba E.**, and Ohkouchi N. (2011) - Lead isotopic record of Barremian–Aptian marine sediments: Implications for large igneous provinces and the Aptian climatic crisis. *Earth and Planetary Science Letters*, 307: 126134. doi:10.1016/j.epsl.2011.04.021
 - 129- **Erba E.**, Bottini C., Weissert H.J., and Keller C.E. (2011) - Response to Comment on “Calcareous Nannoplankton Response to Surface-Water Acidification Around Oceanic Anoxic Event 1a. *Science* 332: 175. DOI: 10.1126/science.1199608
 - 130- Wimbledon W.A.P., Casellato C.E., Rehakova D., Bulot L.G., **Erba E.**, Gardin S., Verreussel R.M.C.H., Munsterman D.K., and Hunt C.O. (2011) – Fixing a basal Berriasian and Jurassic/Cretaceous (J/K) Boundary – Is there perhaps some light at the end of the tunnel? *Rivista Italiana di Paleontologia e Stratigrafia*, 117: 295-307

- 131- Bottini C., Cohen A.S., **Erba E.**, Jenkyns H.C., and Coe A.L. (2012)- Osmium-isotope evidence for volcanism, weathering, and ocean mixing during the early Aptian OAE 1a. *Geology* 40: 583-586 DOI: 10.1130/G33140.1
- 132- Conrad M.A., Clavel B., Granier B., Charollais J., Busnardo R., **Erba E.**, Gardin S., Du Chene R.J., Decrouez D., Cherchi A., Schroeder R., Sauvagnat J. Weidmann M. (2012) - “Stratigraphic, sedimentological and palaeoenvironmental constraints on the rise of the Urgonian platform in the western Swiss Jura” by A. Godet et al. (2010) *Sedimentology* 57, 1088–1125: Discussion. *Sedimentology* 59: 1121– 1125 doi: 10.1111/j.1365-3091.2011.01277.x
- 133- M. Coffin, W. Bach, **Erba E.**, B. Horsfield, B. Ildefonse, K. Kato, J-I. Kimura, D. Kroon, L. McNeill, K. Nealson, K. Okino, S. Schwartz, N. Seama, S. Solomon, B. Taylor, K. Tezuka, P. Wang, U. Harms, C. Moore (2013) - CHIKYU+10 International Workshop - *REPORT, IODP International*, 452 pp.
- 134- **Erba E.** (2013) - Terra calda e Terra ghiacciata: una prospettiva geologica dei cambiamenti climatici. In: Il mutamento climatico. Processi naturali e intervento umano (Ed. A. Provenza), Il Mulino, pp. 35-47.
- 135- Bralower T.J., Bown P.R., **Erba E.** Jenkyns H., Leckie M., Robinson S. (2013) - A Workshop Aimed at Advancing our Understanding of Cretaceous Ocean Dynamics by Scientific Ocean Drilling-*REPORT, IODP International*, 67 pp.
- 136- Bottini C., **Erba E.**, D.Tiraboschi, H.C.Jenkyns, S.Schouten, and J.S.SinningheDamsté (2014) – Climate variability and relationship with ocean fertility during the Aptian Stage. *Climate of the Past* –Discussion , 10: 689–738, doi:10.5194/cpd-10-689-2014
- 137- Gambacorta, G., Bersezio, R., **Erba E.** (2014) – Sedimentation in the Tethyan pelagic realm during the Cenomanian: monotonous settling or active redistribution?. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* , 409: 301–319, doi: 10.1016/j.palaeo.2014.05.011
- 138- **Erba E.**, Duncan R.A., Bottini C., Tiraboschi D., Weissert H., Jenkyns H.C., Malinverno, A (2015) - Environmental Consequences of Ontong Java Plateau and Kerguelen Plateau Volcanism. *Geological Society of America Special Paper* 511, p. 271–303, doi:10.1130/2015.2511(15).
- 139- Neal, C.R., Sager, W.W, Sano, T., and **Erba E.**, eds. (2015) - The Origin, Evolution, and Environmental Impact of Oceanic Large Igneous Provinces: Geological Society of America Special Paper 511.
- 140- Bottini C., **Erba E.**, Tiraboschi D., Jenkyns, H.C., Schouten, S., Sinninghe Damsté, J.S. (2015): Climate variability and ocean fertility during the Aptian Stage. *Climate of the Past*. 11: 383-402. doi:10.5194/cp11-383-2015
- 141- Patruno, S., Triantaphyllou, M.V., **Erba E.**, Dimiza, M.D., Bottini C., Kaminski, M.A. (2015) The Early Aptian ‘feverish ocean’ revealed by benthic foraminifera: onset and evolution of anoxia across Oceanic Anoxic Event 1a (Gorgo a Cerbara section, Umbria-Marche Basin, Italy). *Palaeogeogr. Palaeoclimatol. Palaeoecol.* , 424: 147-182, doi.org/10.1016/j.palaeo.2015.01.031
- 142- Gambacorta, G., Jenkyns, H.C., Russo, F., Tsikos, H., Wilson, P.A., Faucher, G., **Erba E.** (2015) – High resolution carbon- and oxygen-isotope records of mid-Cretaceous Tethyan pelagic sequences from the Umbria–Marche and Belluno Basins (Italy). *Newsletters on Stratigraphy*, 48/3: 299-323. DOI: 10.1127/nos/2015/0066
- 143- Casellato C.E. and **Erba E.** (2015) – Calcareous nannofossil biostratigraphy and paleoceanography of the 1" Toarcian Oceanic Anoxic Event at Colle di Sogno (Southern Alps, Northern Italy). *Rivista Italiana di Paleontologia e Stratigrafia*, 121: 297-327.
- 144- Agnini C., De Bernardi B, **Erba E.** (2016) - Volume and carbonate production estimates of early Paleogene calcareous nannofossils. *Lethaia*, DOI:10.1111/let.12176.
- 145- Gambacorta G., Caronni V., Antonielli E., Previde Massara E., Riva A., Scotti P., Trincianti E., **Erba E.** (2016) – Hot shale in an ice world:Paleoceanographic evolution of the northern Gondwana margin during the Early paleozoic (Tanezzuft Formation, Tunisia). *Marine and Petroleum Geology*, 72: 393-411.
- 146- Crippa G., Angiolini L., Bottini C., **Erba E.**, Felletti F. ,Frigerio C. , Hennissen J.A.I., Leng M.J., Petrizzo M.R., Raineri G. , Stephenson M.H. (2016). Seasonality fluctuations recorded in fossil bivalves during the early Pleistocene: implications for climate change. *Palaeog.*, *Palaeocl.*, *Palaeoec.* 446, 234-251.

- 147- Gambacorta, G., Bersezio R., Weissert H., **Erba E.** (2016), Onset and demise of Cretaceous oceanic anoxic events: The coupling of surface and bottom oceanic processes in two pelagic basins of the western Tethys, *Paleoceanography*, 31, 732–757, doi:10.1002/2015PA002922
- 148- Bottini C., Jadoul F., Rigo M., Zaffani M., Artoni C. & **Erba E.** (2016) - Calcareous nannofossils at the Triassic/Jurassic boundary: stratigraphic and paleoceanographic characterization. *Riv. It. Paleontol. Strat.* 122 (3): 141-164.
- 149- Giorgioni M., Tiraboschi D., **Erba E.**, Hamann Y., Weissert H. (2017) - Sedimentary patterns and paleoceanography of the Albian Marne a Fucoidi Formation (Central Italy) revealed by high resolution geochemical and nannofossil data. *Sedimentology*, 64: 111–126. doi:10.1111/sed.12288
- 150- Dickson, A. J., Saker-Clark, M., Jenkyns, H. C., Bottini, C., **Erba E.**, Russo, F., Gorbanenko, O., Naafs, B.D.A., Pancost, R.D., Robinson, S.A., Van den Boorn, S.J.M., Idiz, E. (2017): A Southern Hemisphere record of global trace-metal drawdown and orbital modulation of organic-matter burial across the Cenomanian–Turonian boundary (Ocean Drilling Program Site 1138, Kerguelen Plateau). *Sedimentology*, 64: 186–203.
- 151- Faucher G **Erba E.**, Bottini C., Gambacorta G. (2017) - Calcareous nannoplankton response to the latest Cenomanian Oceanic Anoxic Event 2 perturbation. *Riv. It. Paleontol. Strat.* 123 (1): 159-176.
- 152- Faucher, G., Hoffmann, L., Bach, L. T., Bottini, C., **Erba E.**, and Riebesell, U. (2017) - Impact of trace metal concentrations on coccolithophore growth and morphology: laboratory simulations of Cretaceous stress, *Biogeosciences* , 14: 3603-3613 doi.org/10.5194/bg-14-3603-2017
- 153- Bottini C. & **Erba E.** (2018) - Mid-Cretaceous paleoenvironmental changes in the western Tethys. *Clim.Past*, 14, 1147–1163 <https://doi.org/10.5194/cp-14-1147-2018>
- 154- Bottini C., Dieni I., **Erba E.**, Massari F., Weissert H. (2018) - The Valanginian Weissert oceanic anoxic event recorded in central-eastern Sardinia (Italy). *Riv. It. Paleontol. Strat.* 124 (3): 617-637.
- 155- **Erba E.**, Gambacorta G. & Tiepolo M. (2019) - The Gaetani Level: a potential oceanic anoxic event of early Bajocian age (Middle Jurassic). *Riv. It. Paleontol. Strat.* 124: 219-230.
- 156- Gale A.S., Jenkyns H.C., Tsikos H., van Breugel Y., Bottini C., **Erba E.**, Russo F., Falzoni F., Petrizzo M.R. and Wray D.S- (2019) – High-resolution bio- and chemostratigraphy of an expanded record of Oceanic Anoxic Event 2 (Late Cenomanian–Early Turonian) at Clot Chevalier, near Barrême, SE France (Vocontian Basin, SE France). *Newsletters on Stratigraphy*, 52/1: 97–129, DOI: 10.1127/nos/2018/0445.
- 157- Gambacorta G., Malinverno A. and **Erba E.** (2019) - Orbital forcing of carbonate versus siliceous productivity in the late Albian–late Cenomanian (Umbria-Marche Basin, central Italy). *Newsletters on Stratigraphy* 52/2: 197-220, DOI: 10.1127/nos/2018/0456
- 158- **Erba E.**, Bottini C. Faucher G., Gambacorta G. and Visentin S. (2019) - The response of calcareous nannoplankton to Oceanic Anoxic Events: The Italian pelagic record. *Bollettino Società Paleontologica Italiana*, 58: 51-71. doi:10.4435/BSPI.2019.08
- 159- **Erba E.**, Gambacorta G., Visentin S., Cavalheiro L., Reolon D., Faucher G., Pegoraro M., (2019) – Coring the sedimentary expression of the Early Toarcian Oceanic Anoxic Event: new stratigraphic records from the Tethys Ocean. *Scientific Drilling*, 26, 17-27, doi: 10.5194/sd-26-17-2019, open access
- 160- Ovechkina M.N., **Erba E.** and Bottini C. (2019) - Calcareous nannoplankton proxies for palaeoenvironmental reconstruction of the Albian–Cenomanian succession in North-western Israel (Mount Carmel Region). *Marine Micropaleontology*, 152:101742, doi.org/10.1016/j.marmicro.2019.04.001
- 161- Gambacorta G. , Bottini C., Brumsack, H.-J. , Schnetger, B. , **Erba E.** (2020) - Major and trace element characterization of Oceanic Anoxic Event 1d (OAE 1d) in the western Tethys, *Chemical Geology* , 557 (2020) 119834. <https://doi.org/10.1016/j.chemgeo.2020.119834>
- 162- Bottini C., Dapiaggi M., **Erba E.**, Faucher G., Rotiroti N. (2020) – High resolution spatial analyses of trace elements in coccoliths reveal new insights into element incorporation in coccolithophore calcite. *Scientific Reports*, 10, 9825 (2020). <https://doi.org/10.1038/s41598-020-66503-x>

- 163- Miniati F., Petrizzo M.R., Falzoni F. and **Erba E.** (2020) - Calcareous plankton biostratigraphy of the Santonian-Campanian boundary interval in the Bottaccione section (Umbria-Marche Basin, central Italy). *Riv. It. Paleontol. Strat.* 126(3): 783-801.
- 164- Casellato C.E. & **Erba E.** (2021) - Reliability of calcareous nannofossil events in the Tithonian-Early Berriasian time interval: implications for a revised high-resolution zonation. *Cretaceous Research* 117: 104611. <https://doi.org/10.1016/j.cretres.2020.104611>
- 165- Visentin S., Faucher G., Mattioli E., **Erba E.** (2021) - Taxonomic revision of genus *Carinolithus* (Early - Middle Jurassic) based on morphometric analyses and diagenesis observations: implications for biostratigraphy and evolutionary trends. *Marine Micropaleontology* 162, 101950.
- 166- Percival L.M.E. Tedeschi L.R., Creaser R.A., Bottini C., **Erba E.**, Giraud F., Svensen H.S., Savian J., Trindade R., Coccioni R., Frontalini F., Jovane L., Mather T.A., Jenkyns H.C. (2021) - Determining the style and provenance of magmatic activity during the Early Aptian Oceanic Anoxic Event (OAE 1a). *Global and Planetary Change*, 200: 103461.
- 167- Visentin S. & **Erba E.** (2021) - High-resolution calcareous nannofossil biostratigraphy across the Toarcian Oceanic Anoxic Event in northern Italy: clues from the Sogno and Gajum Cores (Lombardy Basin, Southern Alps). *Riv. It. Paleontol. Strat.*, 127: 539-556.
- 168- Visentin S., **Erba E.**, Mutterlose J., (2021) - Bio- and chemostratigraphy of the Posidonia Shale: a new database for the Toarcian Oceanic Anoxic Event from northern Germany. *Newsletters on Stratigraphy*, PrePub article 2021, DOI: 10.1127/nos/2021/0658
- 169- Bauer K.W., Bottini C., Frei R., Asael D., Planavsky N., Francois R., McKenzie R., **Erba E.**, Crowe S.A. (2021) - Pulsed volcanism and rapid ocean deoxygenation during OAE1a. *Geology*, 49, 1452-1456, <https://doi.org/10.1130/G49065.1>
- 170- Cavalheiro L., Wagner T., Steinig S., Bottini C., Dummann W., Esegbe O., Gambacorta G., Giraldo-Gómez V., A. Farnsworth, S.Flögel, P.Hofmann, D.J. Lunt³ J.Rethemeyer, Torricelli S., **Erba E.** (2021) - Impact of global cooling on Early Cretaceous high pCO₂. *Nature Communications*, 12, 5411 (2021). <https://doi.org/10.1038/s41467-021-25706-0>
- 171- Giraldo-Gómez V.M., Petrizzo M.R., **Erba E.**, Bottini C. (2022) - Paleooceanographic inferences from benthic foraminifera across the early Aptian Ocean Anoxic Event 1a in the western Tethys. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 588: 110803 DOI: doi.org/10.1016/j.palaeo.2021.110803
- 172- **Erba E.**, Cavalheiro L., Dickson A.J., Faucher G., Gambacorta G., Jenkyns H.C., Wagner T. (2022) - Carbon- and oxygen-isotope stratigraphy of the Toarcian Oceanic Anoxic Event: insights from two Tethyan pelagic sequences (Gajum and Sogno Cores - Lombardy Basin, northern Italy). *Newsletters on Stratigraphy*, 55:451-477. DOI: 10.1127/nos/2022/0690
- 173- Bauer K.W., Bottini C., Katsev S., Jellinek M., Francois R., **Erba E.**, Crowe S.A. (2022) - Ferruginous oceans during OAE1a and collapse of the marine sulfate pool. *Earth and Planetary Science Letters*, 578, 117324, <https://doi.org/10.1016/j.epsl.2021.117324>.
- 174- Giraldo-Gómez V.M., Petrizzo M.R., Bottini C., Möller C., Wagner T., Cavalheiro L., Esegbe O., Gambacorta G., **Erba E.** (2022)- Bottom water conditions redox dynamics during the Early Cretaceous Weissert Event at ODP Hole 692B (Weddell Sea, Antarctica) reconstructed from the benthic foraminiferal assemblages. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 587: 110795, doi.org/10.1016/j.palaeo.2021.110795
- 175- Faucher G., Visentin S., Gambacorta G., **Erba E.** (2022) - *Schizosphaerella* abundance and size variations across the Toarcian Oceanic Anoxic Event in the Sogno Core (Lombardy Basin, Southern Alps). *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 595, 110969 doi.org/10.1016/j.palaeo.2022.110969
- 176- Giraldo-Gómez V.M., Petrizzo M.R., **Erba E.**, Bottini C. (2022) - Biostratigraphy, paleobathymetry and paleobiogeography of Lower Cretaceous benthic foraminifera from Shatsky Rise (ODP Leg 198) in the central Pacific Ocean. *Cretaceous Research*, 138 (2022), 105283, <https://doi.org/10.1016/j.cretres.2022.105283>.
- 177- Bauer K. W., McKenzie N.R., Bottini C., **Erba E.**, Crowe S.A. (2023) - Carbon pump dynamics and limited organic carbon burial during OAE1a. *Geobiology* 21: 341-354 DOI: 10.1111/gbi.12538

- 178- Silva R. Jr., **Erba E.**, de Moraes Rios-Netto A., Silva C.S., Alves T.D., Gatto Motta A.L., Valle B., Borghi Abbotts-Queiroz F. (2023) - Oceanic anoxic event 2 in Sergipe-Alagoas Basin, Brazil: New paleoecological insights from calcareous nannofossils assemblages. *Marine Micropaleontology*, 178: 102197 <https://doi.org/10.1016/j.marmicro.2022.102197>
- 179- Visentin S., Faucher G., **Erba E.** (2023) - Calcareous nannofossil taxonomy and biostratigraphy of the Toarcian-lower Bajocian Colle di Sogno section (Lombardy Basin, Southern Alps, Italy). *Riv. It. Paleontol. Strat.* 129: 207-228
- 180- A. Gale, S. Batenburg, R. Coccioni, Z. Dubicka, **E. Erba**, F. Falzoni, J. Haggart, T. Hasegawa, C. Ifrim, I. Jarvis, H. Jenkyns, A. Jurowska, J. Kennedy, M. Maron, G. Muttoni, M. Pearce, M.R. InBoundary Stratotype Section and Point (GSSP) of the Campanian Stage at Bottaccione (Gubbio, Italy) and its Auxiliary Sections: Seaford Head (UK), Bocieniec (Poland), Postalm (Austria), Smoky Hill, Kansas (U.S.A), Tepayac (Mexico) *EPISODES* [10.18814/epiiugs/2022/022048]
- 181- Gambacorta, G., Cavalheiro, L., Brumsack, H.-J., Dickson, A., Jenkyns, H.C., Schnetger, B., Wagner, T., **Erba E.** (2023) - Suboxic conditions prevailed during the Toarcian Oceanic Anoxic Event in the Alpine-Mediterranean Tethys: The Sogno Core pelagic record (Lombardy Basin, northern Italy). *Global and Planetary Change* 223, 104089
- 182- Giraldo-Gómez V.M., Petrizzo M.R., Gambacorta G., Bottini C., Gilardoni S., **Erba E.** (2023) - Benthic foraminifera across the Albian–Cenomanian transition and their paleoceanographic significance during OAE1d in the western Tethys (Umbria–Marche Basin, Italy), *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 31, 111820, <https://doi.org/10.1016/j.palaeo.2023.111820>
- 183- Gambacorta, G., Brumsack, H.-J., Jenkyns, H.C., **Erba E.** (2024) - The early Toarcian Jenkyns Event in the Alpine-Mediterranean Tethys, north African margin, and north European epicontinental seaway. *Earth Science Review*, 248 (2024) 104636. <https://doi.org/10.1016/j.earscirev.2023.104636>
- 184- Bettoni C., **Erba E.**, Castiglione S., Raia P., Bottini C. (2024) - Effects of paleoenvironmental changes on *Watznaueria barnesiae* size across the mid-Cretaceous. *Marine Micropaleontology* 188 (2024) 102343. doi.org/10.1016/j.marmicro.2024.102343
- 185- Percival L.M.E., Matsumoto H., Callegaro S., **Erba E.**, Kerr A.C., Mutterlose J., Suzuki K. (2024) - Cretaceous Large Igneous Provinces: from volcanic formation to environmental catastrophes and biological crises. In: Hart, M. B., Batenburg, S. J., Huber, B. T., Price, G. D., Thibault, N., Wagreich, M. and Walaszczyk, I. (eds) - Cretaceous Project 200 Volume 1: The Cretaceous World. Geological Society, London, Special Publications, 544, doi.org/10.1144/sp544-2023-88
- 186- **Erba E.** and Parente M. (2024) - The resilience of Tethyan planktonic and benthic calcifiers to Early Cretaceous perturbations: comparison between the Valanginian Weissert Event and the early Aptian Oceanic Anoxic Event 1a. In: Hart, M. B., Batenburg, S. J., Huber, B. T., Price, G. D., Thibault, N., Wagreich, M. and Walaszczyk, I. (eds) - Cretaceous Project 200 Volume 2: Regional Studies. Geological Society, London, Special Publications, 545, doi.org/10.1144/SP545-2023-125.
- 187- W. Bauer K.W., Cheung C.T.L., Gambacorta G., Bottini C., Nordsvan A.R., **Erba E.**, McKenzie N.R. and Crowe S.A. (in review) - A climate threshold for ocean deoxygenation during Aptian Oceanic Anoxic Event 1a. *Nature*
- 188- Oliveira A.L., Hollanda M.H.B.M., Schmitz M.D., Macêdo Filho A., **Erba E.**, Crowley J.L. (in review) - Timing of the Equatorial Atlantic Magmatic Province and impact of South American LIPs on the Weissert Event. *Scientific Reports*
- 189- Silva Jr., R., Erba E., Rios-Netto A., Silva S.C., Bruno M., Sabaraense L.D., Borghi L., Mendonça Filho J.G. (submitted) Paleoclimatic and Paleoceanographic Implications Based on Calcareous Nannofossils and Stable Isotopes of the Albian - Campanian in the South Atlantic Ocean. *Palaeogeography, Palaeoclimatology, Palaeoecology*. Available at SSRN: <https://ssrn.com/abstract=4821849> or <http://dx.doi.org/10.2139/ssrn.4821849>

CAPITOLI DI LIBRO

Bertini A., **Erba E.**, Marino M: (2020) – Paleoclimatologia. In: Manuale di Paleontologia- SPI, pp. 413-442