

Cinzia Bottini

PERSONAL INFORMATION

Birth date: 14-06-1983
 Università degli Studi di Milano
 Dipartimento di Scienze della Terra “Ardito Desio”
 Via Mangiagalli 34
 20133 Milano
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 e-mail: cinzia.bottini@unimi.it

WORK EXPERIENCE

- June 2017 - Present **Ricercatore Universitario a tempo determinato - RTD-B (Assistant Professor)**
 SSD GEO/01 - at Università degli Studi di Milano, Dipartimento di Scienze della Terra “Ardito Desio”
 Abilitation since 05-04-2017 (Abilitazione Scientifica Nazionale per la II fascia)
- November 2012 to May 2017 **Ricercatore Universitario a tempo determinato - RTD-A**
 SSD GEO/01 - at Università degli Studi di Milano, Dipartimento di Scienze della Terra “Ardito Desio”
- April 2011 to May 2012 **Post Doc at Ruhr Universität Bochum (Germany)**
 SSD GEO/01 - Research topic: study of nanofossil assemblages across the Barremian-Aptian interval in sections from the Boreal Realm. In collaboration with Prof. Joerg Mutterlose

 June 2013 - Visiting researcher at the IODP core repository in Bremen (Germany)

EDUCATION AND TRAINING

- October 2007 - February 2011 **PhD in Earth Sciences**
 University: Università degli Studi di Milano. - Thesis title: “pCO₂ effects on the production of pelagic biogenic carbonate and ocean chemistry: a case history from the Cretaceous ocean”.
 Supervisor: Prof.ssa Elisabetta Erba
- December 2009 **visiting PhD student at the University of Oxford**
 Department of Earth Sciences (Oxford - UK). Research topic: Carbon and oxygen isotope analyses in sedimentary rocks.
 Collaboration with: Prof. Hugh C. Jenkyns
- July 2008 to July 2009 **visiting PhD student at The Open University**
 Department of Earth and Environmental Sciences (Milton Keynes - UK). Research topic: Rhenium and osmium isotope analyses in sedimentary rocks.
 Collaboration with: Dott. Anthony S. Cohen, Dott. Angela, L. Coe

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Driving license A, B

ADDITIONAL INFORMATION

Leader of National Projects

- **PI of the SIR project (Scientific Independence of young Researchers - MIUR) 2014** RBSI14UU81 - "Tracing calcareous nannoplankton response to ocean acidification under extreme climatic and ecological conditions: comparing culture experiment and geological data". (from 24-09-2015)

Funding

- **PI of the project: "The response and adaptation of biota to global change: implications for biostratigraphy, paleoecology and biomineralization"** - funded by **Piano di Sostegno alla Ricerca**, year 2018/2019 Linea 2 - Dotazione annuale per attività istituzionali.
- **PI of the project: "The biotic response to paleoenvironmental perturbations"** - funded by **Piano di Sostegno alla Ricerca 2015/2017**, year 2017/2018 Linea 2 - Dotazione annuale per attività istituzionali.
- **PI of the project: "Tracing biota adaptation and evolution under perturbed paleoenvironmental conditions"** - funded by **Piano di Sostegno alla Ricerca 2015/2017**, year 2016/2017 Linea 2 - Dotazione annuale per attività istituzionali.
- **PI of the project: "The effects of paleoenvironmental perturbations on biota adaptation and evolution"** - funded by **Piano di Sostegno alla Ricerca 2015/2017**, year 2015/2016 Linea 2 - Dotazione annuale per attività istituzionali.
- **PI of the project: "Calcareous nannoplankton response to ocean acidification under extreme climatic and ecological conditions"** - funded by **Piano di Sviluppo dell'Ateneo 2014/2015** (Linea B) Dotazione annuale per attività istituzionali .

Participation to National Projects

- **Partecipation to PRIN (Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale) 2007** - protocollo 2007W9B2WE. - PI Elisabetta Erba. (from 22-09-2008 to 10-12-2010)

Awards

Winner of the **Cariplo grant "Promuovere la formazione di capitale umano d'eccellenza"** with the study project titled "*pCO₂ effects on the production of pelagic biogenic carbonate: case histories from the Cretaceous ocean*"

Official roles

- **From 2019:** treasurer of the Società Paleontologica Italiana (SPI)
- **From 2018:** blogger of the Stratigraphy, Sedimentology and Palaeontology (SSP) division BLOG of the EGU
- **From 2017:** Science Officer for Paleontology of the Division on Stratigraphy, Sedimentology and Palaeontology (SSP) (EGU)

Other roles

- **From 2018:** blogger of the Stratigraphy, Sedimentology and Palaeontology (SSP) division BLOG of the EGU

Reviewer of Scientific journals

Total number of journal articles reviewed: 10

List of journals: Geology, Paleocyanography, Cretaceous Research, Arabian Journal of Geosciences, The Open Paleontology Journal, Rivista Italiana di Paleontologia e Stratigrafia, Zeitschrift der Deutschen Gesellschaft für Geowissenschaften (German Journal of Geosciences), Marine and Petroleum Geology, Newsletters on Stratigraphy.

Organization of congresses

- Co-convenor at EGU in 2017 (session SSP2.1); 2018 (sessions: SSP1.1; SSP 4.2; SSP 2.4)
- Organizer of the ECORD (European Consortium of Ocean Research Drilling) Booth during 87° Congress of Società Geologica Italiana and 90° Congress of the Società Italiana di Mineralogia e Petrologia - Milan 2014.

- Consultancy works**
- Consultancy work funded by ENI (San Donato Milano - Italia) - project: “Analisi biostratigrafica ed interpretazione di dati di pozzo per lo sviluppo di un workflow integrato per la definizione di un modello volto alla caratterizzazione delle source rock in acque ultra-profonde”. (2017-2018). PI: Elisabetta Erba
 - Consultancy work funded by ConocoPhillips (Houston - USA) - project: “nannofossil biostratigraphy of upper Cretaceous sediments from the Western Interior Basin” - PI: Elisabetta Erba. Bottini: junior nannofossil biostratigrapher. (2013-2015).
 - Consultancy work funded by PETROBRAS (Rio de Janeiro - Brazil), project: “Cretaceous calcareous nannofossil biostratigraphy of Brazilian sections” - PI: Elisabetta Erba. Bottini: junior nannofossil biostratigrapher. (02-11-2014 to 08-11-2014)
- Memberships**
- 2013- present: member of the Società Paleontologica Italiana (Italian Paleontological Society)
 - 2015- present: member of the Società Geologica Italiana
 - 2016-present: International Nannoplankton Association (INA)
 - 2016-present: European Geological Society (EGU)
 - 2018-present: International Association of Sedimentologists (IAS)
- Teaching activity**
- From 2012/2013 to 2017/2018 - Laboratorio di Paleontologia (3 CFU = 72 h), Corso di laurea in Scienze Geologiche, Università degli Studi di Milano.
 - From 2012/2013 to 2014/2015 - Laboratorio di Geologia del sedimentario (1 CFU = 12 h), Corso di laurea in Scienze Geologiche, Università degli Studi di Milano.
 - From 2014/2015 to 2015/2016 - Micropaleontologia e laboratorio (4 h) Corso di laurea magistrale in Scienze della Terra
 - From 2010/2011 to 2011/2012 “Phytoplankton 2” - 20 hours - Ruhr Universität Bochum (Germania) - Prof. J. Mutterlose
 - From 2010/2011 to 2011/2012 “Marine micropalaeontology” - 6 hours - a.a. 2011/2012 - - Ruhr Universität Bochum (Germania) - Prof. J. Mutterlose
- PhD student/Post Doc**
- Giulia Faucher Post Doc 2017/2018
- Supervision of interships**
- Co-supervisor of undergraduate internships “alternanza scuola-lavoro”
- a.a. 2015/2016 • a.a. 2016/2017 • a.a. 2017/2018
- Departmental committee**
- Member of the “Research council of the Doctoral Program in Earth Sciences” (a.a. 2015/2016; 2016/2017; 2017/2018; 2018/2019)
 - Member of the “colloqui di ammissione alla laurea magistrale” commission (from 2014 to 2017)
 - Member of the “Test di inglese” commission (from 2013 to present)
 - Member of the “Nucleo di Valutazione” commission (from 2017 to present)
- Partecipation to workshops**
- SEPM research conference “Oceanic Anoxic Events (OAEs)”, Austin, Texas, USA, November 2016
 - “Guiding questions for an Italian carbon initiative” - SGI (Società geologica italiana) - University of Milan, September 2014
 - “Exploring the Cretaceous world. Data and numerical models at work to fill gaps” - Capo Granitola (Sicily - Italy), October 2014.
 - “Le geoscienze e il ciclo del carbonio” - University of Milan, February 2015.
 - “Carbon in Earth: Italian networks towards international collaborations” - University of Florence, September 2015.

ANNEXES

List of publications

2019

1. Ovechkin, M.N., Erba E., **Bottini, C.** (2019). Calcareous nannoplankton proxies for palaeoenvironmental reconstruction of the Albian-Cenomanian succession in Northwestern Israel (Mount Carmel Region). **Marine Micropaleontology**. In press.
2. Erba E., **Bottini, C.**, Faucher, G., Gambacorta, G., Visentin, S. (2019). The response of calcareous nannoplankton to Oceanic Anoxic Events: The Italian pelagic record. **Bollettino della Società Paleontologica Italiana**. In press

3. Crippa, G., Azzarone, M., **Bottini, C.**, Crespi, S., Felletti, F., Marini, M., Petrizzo, M.R., Scarponi, D., Raffi, S., Raineri, G. (2019). Bio- and lithostratigraphy of lower Pleistocene western Emilia marine successions (Italy) and implications for *Arctica islandica* first occurrence in the Mediterranean Sea. *Quaternary*. In press
 4. Cipriani, A. & **Bottini, C.** (2019). Early Cretaceous tectonic rejuvenation of an Early Jurassic margin in the Central Apennines: The "Mt. Cosce Breccia". *Sedimentary Geology*. In press.
 5. Gale, A. S., Jenkyns, H. C., Tsikos, H., van Breugel, Y., Sinninghe Damste, J. S., **Bottini, C.**, Erba, E., Russo, F., Falzoni, F., Petrizzo, M.R., Dickson, A.J. 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*, vol. 52/1, 97-129. doi: 10.1127/nos/2018/0445
 6. Hennhofer, D., Al Suwaidi, A., **Bottini, C.**, Helja, E., & Steuber, T. (2019). The Albian to Turonian carbon isotope record from the Shilaif Basin (United Arab Emirates) and its regional and intercontinental correlation. *Sedimentology*, 66, 536-555 doi: 10.1111/sed.12493
- 2018
7. **Bottini, C.**, Dieni, I., Erba, E., Massari, F., Weissert, H. (2018). The Valanginian Weissert Oceanic Anoxic Event recorded in central-eastern Sardinia (Italy). *Rivista Italiana di Paleontologia e Stratigrafia*, 124(3): 617-637. doi: 10.13130/2039-4942/10740
 8. **Bottini, C.** & Erba, E. (2018). Mid-Cretaceous paleoenvironmental changes in the western Tethys. *Clim. Past*, 14, 1147-1163. doi:10.5194/cp-14-1147-2018.
 9. Tavani, S., Parente, M., Vitale, S., Iannace, A., Corradetti, A., **Bottini, C.**, Morsalnejad, D., Mazzoli, S. (2018). Early Jurassic rifting of the Arabian passive continental margin of the Neo-Tethys. Field evidence from the Lurestan region of the Zagros fold-and-thrust belt, Iran. *Tectonics* 37. doi: 10.1029/2018TC005192
- 2017
10. O'Brien, C. L., Robinson, S. A., Pancost, R. D., Sinninghe Damsté, J.S., Schoutend, S., Lunt, D.J., Alsenz, H., Bornemann, A., **Bottini, C.**, Brassell, S.C., Farnsworth, A., Forster, A., Huber, B.T., Inglis, G.N., Jenkyns, H.C., Linnert, C., Littler, K., Markwick, P., McAnena, A., Mutterlose, J., A. Naafs, B.D., Püttmann, W., Sluijs, A., van Helmond, N.A.G.M., Vellekoop, J., Wagner, T., Wrobel, N.E., (2017): *Cretaceous sea-surface temperature evolution: constraints from TEX86 and planktic foraminiferal oxygen isotopes*. *Earth-Science Reviews*, 172 (2017) 224-247. doi: 10.1016/j.earscirev.2017.07.012
 11. Faucher, G., Hoffmann, L., Bach, L.T., **Bottini, C.**, Erba, E., Riebesell, U., (2017): *Impact of trace metal concentrations on coccolithophore growth and morphology: laboratory simulations of Cretaceous stress*. *Biogeosciences*, 14, 3603-3613. <https://doi.org/10.5194/bg-14-3603-2017>
 12. Faucher, G., Erba, E., **Bottini, C.**, Gambacorta, G. (2017): *Calcareous nannoplankton response to the latest Cenomanian Oceanic Anoxic Event 2 perturbation*. *Rivista Italiana di Paleontologia e Stratigrafia*, 123, 159-176.
 13. 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. and 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*.
- 2016
14. **Bottini C.**, Jadoul, F, Rigo, M., Zaffani, M., Erba E., Artoni, C. (2016): *Calcareous nanofossils at the triassic/jurassic boundary: stratigraphic and paleoceanographic characterization*. *Rivista Italiana di Paleontologia e Stratigrafia*, 122(3), 141-164, doi: 10.13130/2039-4942/7726
 15. Crippa, G., Angiolini, L., **Bottini, C.**, Erba, E., Felletti, F., Frigerio, C., Hennissen, J.A.I., Leng, M.J., Petrizzo, M.R., Raffi, I., Raineri, G., Stephenson, M.H. (2016): *Seasonality fluctuations recorded in fossil bivalves during the early Pleistocene: Implications for climate change*. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 446, 234-251, doi: 10.1016/j.palaeo.2016.01.029
- 2015
16. Lübke N., Mutterlose J., **Bottini C.** (2015): *Size variations of coccoliths in Cretaceous oceans - a result of preservation, genetics and ecology?* *Marine Micropaleontology*, 117, 25-39, doi: 10.1016/j.marmicro.2015.03.002.
 17. **Bottini C.**, Erba E., Tiraboschi D., Jenkyns H.C., Schouten S., and Sinninghe Damsté J.S. (2015): *Climate variability and ocean fertility during the Aptian Stage*. *Climate of the Past*, 11, 383-402, doi:10.5194/cp-11-383-2015.

18. Patruno S., Triantaphyllou M.V., Erba E., Dimiza M.D., **Bottini C.**, Kaminski M.A. (2015): *The Barremian and Aptian stepwise development of the 'Oceanic Anoxic Event 1a'(OAE 1a) crisis: integrated benthic and planktic high-resolution palaeoecology along the Gorgo a Cerbara stratotype section (Umbria-Marche Basin, Italy). Palaeogeography, Palaeoclimatology, Palaeoecology*, 424, 147-182, doi: 10.1016/j.palaeo.2015.01.031.
 19. Erba E., Duncan R.A., **Bottini C.**, Tiraboschi D., Weissert H., Jenkyns H.C., and Malinverno A. (2015): *Environmental consequences of Ontong Java Plateau and Kerguelen Plateau volcanism*, in Neal, C.R., Sager, W.W, Sano, T., and Erba, E., eds., *The Origin, Evolution, and Environmental Impact of Oceanic Large Igneous Provinces: Geological Society of America Special Paper 511*, p. SPE511-15, doi:10.1130/2015.2511(15).
- 2014
20. Mutterlose J., **Bottini C.**, Schouten S., and Sinninghe Damsté J.S. (2014): *High sea-surface temperatures during the early Aptian OAE 1a in the Boreal Realm. Geology*, 42 (5), 439-442. doi: 10.1130/G35394.1.
- 2013
21. Mutterlose J. & **Bottini C.** (2013): *Early Cretaceous chalks from the North Sea giving evidence for global change. Nature Communications* v. 4, 1686, doi:10.1038/ncomms2698.
- 2012
22. Mutterlose J. & **Bottini C.** (2012): *Stratigraphie und kalkige Nannofossilien des Unter-Apt von Alstätte (NRW). Geol. Paläont. Westf.* 84, 5-15.
 23. **Bottini C.** & Mutterlose J. (2012): *Early Aptian black shales in the Boreal Realm: calcareous nannofossil and stable isotope evidence for global and regional processes. Newsletters on Stratigraphy*, 45/2, 115-137, doi: 10.1127/0078-0421/2012/0017.
 24. **Bottini C.**, Cohen A.S., Erba E., Jenkyns H.C., Coe, A.L. (2012): *Osmium-isotope evidence for volcanism, weathering and ocean mixing during the early Aptian OAE 1a. Geology* 40, 584-586, doi:10.1130/G33140.1.
- 2011
25. Erba E., **Bottini C.**, Weissert H., Keller C.E. (2011): *Response to Comment on "Calcareous Nannoplankton Response to Surface-Water Acidification Around Oceanic Anoxic Event 1a. Science* 332, 175.
- 2010
26. Erba E., **Bottini C.**, Weissert H., Keller C.E. (2010): *Calcareous nannoplankton response to surface-water acidification around Oceanic Anoxic Event 1a. Science* 329, 428-432. doi: 10.1126/science.1188886
- 2009
27. Méhay S., Keller C.E., Bernasconi S.M., Weissert H., Erba E., **Bottini C.**, Hochuli P.A. (2009): *A volcanic CO₂ pulse triggered the Cretaceous Oceanic Anoxic Event 1a and a biocalcification crisis. Geology* 37, 819-822. doi: 10.1130/G30100A.1

Citations

Scopus: 540 (h-index 12)

Participation to national and international congresses

2018:

- EGU (Vienna - Austria) April - Session SSP 4.2 - PICO presentation **Bottini C.**, Faucher G., Erba E., "The response of calcareous nannoplankton to changes in temperature, fertility and CO₂ during the Aptian (Early Cretaceous)".
- Giornate Assereto 2018 6-8 February (Università degli Studi di Milano) - Oral presentation, **Bottini C.**, & Faucher G., "The effect of mid Cretaceous paleoenvironmental changes on *Biscutum constans* size";

2017:

- EGU (Vienna - Austria) April - Session SSP 2.7 - Oral presentation **Bottini C.**, Faucher G., Erba E., "Effects of mid Cretaceous paleoenvironmental changes on selected coccolith size".

- **10th International Symposium on the Cretaceous (Vienna - Austria) 21-26 August - Oral presentation** Bottini C., & Erba E. *“Paleoenvironmental changes traced by calcareous nannofossils through the mid-Cretaceous”*
- **16th International Nannoplankton Association Meeting, Atene Grecia, 25-28 September - Oral presentation**, Bottini C., Faucher, G., *“The effect of mic Cretaceous paleoenvironmental changes on Biscutum constans size changes”*. - Poster Bottini C., Erba E., Artoni C., *“Calcareous nannofossils at the Triassic-Jurassic boundary: stratigraphic and paleoceanographic characterizations”*
- **Giornate Assereto 2017 22-24 February (Università degli Studi di Milano) - Oral presentation**, Bottini C., Erba E., Faucher G., *“Calcareous nannofossils as paleoenvironmental tracers: long-term reconstructions through the mid-Cretaceous”*

2016:

- **Giornate Assereto 2016 8-10 February (Università degli Studi di Milano) - Oral presentation**, Bottini C., & Erba E. *“Paleoclimate and paleoecology of the mid Cretaceous traced by calcareous nannofossils”*;
- **EGU (Vienna - Austria) 18-22 April - Session SSP 2.7 - poster**, Bottini C. & Erba E.: *“Paleoclimate and paleoecology of the mid Cretaceous traced by calcareous nannofossils”*;
- **Goldschmidt (Yokohama - Japan) 26 June - 1 July - poster**, Bottini C., Jadoul., F, Rigo, M., Zaffani., M., Erba E., Artoni, C.: *“Chemo-biostratigraphic characterization of the Triassic/Jurassic boundary interval in the Western Southern Alps”*; - Session 05d *“Large Igneous Provinces Through Time: Their Origin and Economic/Environmental Impacts”*. - **Oral presentation**, Bottini C., Erba E., Faucher G.: *“Calcareous nannofossils as tracers of paleoCO₂”*; Session 14i *“Greenhouse Gases: History, Climate Impacts and (Bio)geochemical Cycling”*
- **88° Congresso SGI 6-9 September (Napoli) - session S16 “Past climate change: from stratigraphic archives to interpretation” - poster**, Bottini C., Erba (2016): *“Mid-Cretaceous climatic fluctuations traced by calcareous nannofossils”*

2015:

- **Giornate Assereto 2015 9-11 February (Università degli Studi di Milano) - Oral presentation**, Bottini C., Casellato C.E., Erba E. *“A revised procedure of the “random settling technique” for determination of calcareous nannofossil absolute abundance”*;
- **Workshop “Le geoscienze e il ciclo del carbonio” 2015 18-19 February (Università degli Studi di Milano) - Oral presentation**, Bottini C., Erba E. *“Nannofossil carbonate paleofluxes as proxy for pCO₂ during the Aptian”*;
- **Climates of the past - lessons for the future, Conference 5-10 July (Ascona, Switzerland) - Oral presentation**, Bottini C., Erba E., Faucher G. *“Size variations of selected coccolith species across Cretaceous Oceanic Anoxic Events: paleoceanographic implications”*;
- **Strati 2015 20-23 July (Graz, Austria) - Oral presentation**, Erba E., Bottini C., Russo F., Gambacorta G. *“Calcareous nannofossil biostratigraphy of the late Albian - early Turonian time interval: implications for global correlations”*
- **Congresso congiunto SIMP-AIV-SoGel-SGI “Il Pianeta Dinamico: sviluppi e prospettive a 100 anni da Wegener” 2-4 September (Firenze) - Session S3 “The cycles of volatiles: fluxes and processes from the oceans, down to the mantle and backward to the Earth surface” - Oral presentation**, Bottini C., Erba E. *“Biogenic carbonate paleofluxes as proxy for pCO₂ during the Aptian”*

2014:

- **Giornate Assereto 2014 10-12 February (Università degli Studi di Milano) - Oral presentation**, Bottini C., Erba E., Tiraboschi D.: *“Climate variability and relationship with ocean fertility during the Aptian Stage”*;
- **EGU (Vienna - Austria) 29 April - 1 May - Session SSP2.3 “Late Paleozoic to Mesozoic stratigraphy, paleoceanography and paleoclimate (sponsored by IAS)2 - Oral presentation**, Bottini C., Erba E., Tiraboschi D.: *“Calcareous nannofossil paleofluxes as proxy for pCO₂ during the Aptian”*;
- **Congresso SGI-SIMP 2014 10-12 September (Università degli Studi di Milano) - Session S5 “Climate change and the Earth System: understanding the past, analyzing the present and predicting future scenarios” - Oral presentation**, Bottini C., Erba E., Tiraboschi D.: *“The role of pCO₂ on climate and biogenic calcite production during the Aptian”*;
- **AGU 15-19 December (San Francisco-USA) - Session PP12A “Ocean climate dynamics: Carbon cycle and oxygenation perturbations II” - Oral presentation**, Erba. E, Bottini C., Tiraboschi D., Jenkyns H.C., Schouten S., and Sinninghe Damsté J.S.: *“Climate variability and relationship with ocean fertility during the Aptian”*;

2013:

- **Giornate Assereto 2013 4-6 February (Università degli Studi di Milano) - Oral presentation**, Bottini C., Erba E., Tiraboschi D. *“The role of pCO₂ on climate changes across the early Aptian Oceanic Anoxic Event 1a”*;
- **Giornate di Paleontologia XIII edizione, 23-25 May (Perugia - Italy) - Oral presentation**, Bottini C., Erba E., Tiraboschi D. *“Calcareous nannofossil paleofluxes: proxies for pCO₂ fluctuations through the Aptian”*;

- **International Nannoplankton Association meeting (INA14)** Reston Virginia (USA) 15-20 September 2013 - **Oral presentation**, Bottini C., Erba E., Tiraboschi D., Jenkyns H.C.: *Climatic and ecological changes during the Aptian traced by calcareous nannofossils and oxygen isotopes*;

2012:

- **Sedimentologisches und Paläontologisches Seminar (N.176954)** 10 January 2012 (Ruhr Universität Bochum Germany) - **Oral presentation**, Bottini C. “*Characterization of the Early Aptian Oceanic Anoxic Event 1a: results from the low and high latitudes*”.
- **86° Congresso Nazionale della Società Geologica Italiana** 18-20 September (Arcavacata di Rende Cosenza-Italy) - Session 5.4 “*Eventi anossici del passato recente e remoto nell’area mediterranea: sapropels, black shales e OAEs*” - **poster**, session TS5.4, Bottini C., Erba E., Tiraboschi, D., “*Warming and cooling episodes across the early Aptian Oceanic Anoxic Event 1a: the role of pCO₂ on climate changes*”;

2011:

- **Climate and Ocean Dynamics of the Cretaceous Greenhouse** 25-28 January (Utrecht-The Netherlands) - **Oral presentation**, Bottini C., Cohen A.S., Erba E., Jenkyns H.C., Coe A.L. “*Osmium-isotope evidence for the interplay between submarine volcanism and continental weathering during the early Aptian Oceanic Anoxic Event (OAE 1a)*”;
- **Geotalia** 21-23 September (Torino-Italy) - **Oral presentation (invited speaker)**, session R3, Bottini C., Cohen A.S., Erba E., Jenkyns H.C., Coe A.L., “*CO₂ regulation by volcanism and weathering during the early Aptian Oceanic Anoxic Event 1a*”; - **Oral presentation**, session M4, Bottini C., Erba E., Mutterlose J. “*Early Aptian black-shales in the Boreal Realm: calcareous nannofossil and stable isotope evidence for regional and global processes*”;
- **AGU** 5-9 December (San Francisco-USA) - **Oral presentation (invited speaker)**, session V54A, Bottini C., Erba E., Mutterlose J. “*Calcareous nannofossil as tracers of global temperature fluctuations during the Aptian*”; - **poster** (presentato da Erba. E), session V51D Erba E., Casellato C., Bottini C. “*Were Oceanic Plateaus Instrumental for Calcareous Nannoplankton Evolution?*”;

2010:

- **Giornate Assereto 2010** 3-5 February (Università degli Studi di Milano) - **Oral presentation**, Bottini C. & Erba E. “*The response of Cretaceous calcareous nannoplankton to high pCO₂ and ocean acidification at the onset of the Oceanic Anoxic Event 1a*”;
- **The colors of Cretaceous and Paleogene oceans** 17-19 May (Verbania-Italy) - **Oral presentation**, Bottini C., Erba E., Keller C.E., Weissert H. “*Coccolith dwarfism and malformation during early Aptian Oceanic Anoxic Event 1a: response to surface-water acidification*”;
- **International Paleontological Congress (IPC3)** 28 June-3 July (London-UK) - **Oral presentation**, Erba E., Bottini C., Weissert H., Keller C.E. “*Surface-water acidification precedes deep-water carbonate dissolution and anoxia during Oceanic Anoxic Event 1a*”;
- **International Nannoplankton Association meeting (INA13)** 5-10 September (Yamagata-Japan) - **Oral presentation**, Bottini C., Erba E., Tiraboschi D. “*Calcareous nannofossil paleofluxes as proxy of pCO₂ fluctuations during the Early Cretaceous*”;

2009:

- **Department seminar** 4 March (The Open University - UK) - **Oral presentation**, Bottini C. “*Changes in the calcareous nannoplankton assemblages and in the ¹⁸⁷Os/¹⁸⁸Os of sea water during the OAE1a (Lower Cretaceous)*”;
- **Geotalia** 19-23 September (Rimini-Italia) - **Oral presentation**, Bottini C. & Erba E. “*The response of calcareous nannoplankton to high pCO₂ and ocean acidification: examples from the Cretaceous ocean*”;

2008:

- **Giornate Assereto** 11-13 February (Università degli Studi di Milano) - **Oral presentation**, Bottini. C & Erba. E. “*Influenza della pCO₂ sulla calcificazione del nannoplancton durante l’OAE1a (Aptiano inf.), Carota de Cismon (Alpi Meridionali)*”;

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the

section “Amministrazione trasparente”, “Consulenti e collaboratori”.

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