

PERSONAL
INFORMATION**Fabrizio Berra**✉ Fabrizio.berra@unimi.it

POSITION

Full professor

WORK EXPERIENCE

Replace with dates (from
1/7/2015)**Full professor**

Department of Earth Sciences, University of Milan

Replace with dates (from
1/10/2011 to 30/6/2015)**Associate professor**

Department of Earth Sciences, University of Milan

Replace with dates (from
1/9/2002 to 30/9/2011)**Researcher**

▪ Department of Earth Sciences, University of Milan

Replace with dates (from
1/3/1996 to 31/8/2002)**Employee (geologist)**Regione Lombardia - Direzione Generale Territorio ed Edilizia
Residenziale, as field geologist for the production of the new official
geological map of Italy

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Business or sector Environment, land management

EDUCATION AND TRAINING

1990 Master degree (B.S. and M.S.) in Geological Sciences

- Master degree (B.S. and M.S.) in Geological Sciences, 5th July, 1990 from the “Università degli Studi di Milano”, final mark 110/110 cum laude, with a stratigraphic-sedimentological thesis “Geology of the area between Val Borlezza, Gandino and Clusone (BG)” (Supervisor: Prof. F. Jadoul, Università di Milano), comprising a geological map at scale 1:10000.

1994 PhD in Earth Sciences

- PhD degree in September 1994, from Università degli Studi di Milano, thesis “Stratigraphy and paleogeography of the Upper Triassic succession in the Ortles and Quattervals Nappes (Upper Austroalpine) in Lombardy”..

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Good	Good	Good	Good	Good

Digital skills ▪ Software: beside the most common DOS-Windows software (Office, Corel Draw), GIS software (Ilwis, Arc-Gis, QGIS), 3D geological software (Move from Midland Valley), software for stratigraphic modelling (Sedpak, CARB3D+).

Reviewer activity Reviewer for the journals: Rivista Italiana Paleontologia e stratigrafia, Facies, Journal of Asian Earth Sciences, Sedimentology, PGA (Proceedings of the Geologists’ Association), International Journal of Earth Sciences, Petroleum Geoscience, Geological Journal, Italian Journal of Geosciences, Basin Research, Palaeogeography Palaeoclimatology Palaeoecology, SEPM special publications.

Research activity

Stratigrapher and sedimentologist, mainly is focused on stratigraphic and paleogeographic problems of carbonate successions. Experience in field and in laboratory, mainly microfacies and diagenesis. He worked in the Himalaya, Central Asia (Iran) and in the Alps.

In the Alps, study of the Triassic successions of the Central and Western Southern Alps. The research focused on facies distribution and basin evolution. In the Southern Alps he studied the stratigraphic evolution of different carbonate systems: Anisian, Ladinian and Norian, aiming to the reconstruction of the paleogeographic evolution and of the tectonic control on the sedimentation (Anisian and Norian) and on the effects of sea-level changes on carbonate systems (Ladinian, Norian). He also studied the record of the Early Jurassic rifting of the Alpine Tethys in the Western Southern Alps. In the Southern Alps he also studied with seismic tools the evolution of an intramontane basin (Tertiary to Quaternary). Recently, he is dealing with the evolution of fault-controlled extensional basins (Early Permian) in continental settings.

In the Central Austroalpine (Ortles, Quattervals, Umbrail and Scarl nappes) he studied the Norian-Rhaetian succession, reconstructing the tectonic and paleogeographic evolution of the Norian succession and the sedimentological features of the Rhaetian succession.

In the Himalayas he studied the Paleozoic-Mesozoic succession of the Tethys Himalaya on the former passive margin of India (two field seasons, 1992 and 1994).

In Central Asia (Iran) he worked on the sedimentary succession of the Alborz Chain and of Central Iran (Nakhlak) during different MEBE expeditions from 2003 to 2007. In the Alborz chain the research mainly focussed on the polyphasic evolution of the chain and on the record of this evolution in the sediments, outlining time and significance of different events. Attention focused on the Cimmerian Orogeny in different portions of the Alborz Chain, where inversion tectonic of Cimmerian faults played a major role in the present-day structure of the chain. In Central Iran, the research was mainly on the significance of Triassic succession, in order to interpret them as record of geodynamic settings (Nakhlak succession)

He studied the Late Jurassic- Early Cretaceous carbonate succession of Sardinia, aiming at the reconstruction of the evolution of the margin facies, both basinward and toward the inner platform.

The research also focussed on the mixed siliciclastic-carbonate platform of Southern Corsica (Bonifacio), where a study is in progress in cooperation with the University of Roma – La Sapienza.

Microfacies have been studied quantitatively (Oman, Sardinia) by means of point count on thin sections, in cooperation with BGS and with colleagues from the Milano University.

He developed skills in the planning of digital databases (GIS), collaborating to the development of the GIS database of the geological map of Regione Lombardia. He also worked on the production of 3d geological models from surface geological data (Gocad, Move) with different colleagues.

He is involved in the production of the new geological map of Italy in different 1:50000 geological sheets, both as field geologist (Sheets Clusone, Bormio, Malonno and Sondrio) and field mapping director (Sheets Milano and Bagolino).:

Teaching Since 2002, he has been course leader of diverse courses at the University of Milano, including field activities (Stratigraphy, “GIS laboratory” “Sedimentary Basin and Hydrocarbon Geology”, “Geological mapping of sedimentary rocks” “Geological Cross Sections”, “Sedimentology I”, “Stratigraphy and laboratory”.

Now he is course leader of “Sedimentary geology” for the Bachelor degree in Earth Sciences and “Sedimentary basin and hydrocarbon geology and laboratory” for the Geological Sciences Master degree”

During the academic year 2005-2006 and 2006-2007 course leader of “Geology” for the Bachelor degree in Natural Sciences at the Insubria University (Varese)

Supervisor for more 30 Master degree theses, about 20 Bachelor degree theses, 3 PhD students.:

Publications The research activity is documented by geological maps, about 65 scientific publications, scientific reports and about 100 conference abstracts.

Link for publications

<https://air.unimi.it/browse?type=author&order=ASC&rpp=20&authority=rp10414&rand=0.16942775326155868#.Wof9vYiLRPY>

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