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Fabrizio Agosta è un **ricercatore universitario** del Dipartimento di Scienze dell'Università degli Studi della Basilicata dal mese di Ottobre 2010. Nel 2014 ha conseguito l'abilitazione scientifica nazionale a professore di II fascia, settore concorsuale 04/A2. Nel 2016, per il medesimo settore concorsuale, ha conseguito l'abilitazione scientifica nazionale a professore di I fascia.

Dal 2106, Fabrizio Agosta è socio fondatore dello spin off accademico "**Geosmart Italia srls**", società di servizi geologici (www.geosmartitalia.it). Dal 2012, Fabrizio è co-direttore del "**Reservoir Characterization Project**", un progetto sponsorizzato da partner istituzionali (MIUR) e privati dedito allo studio di analoghi esposti in superficie dei giacimenti di geofluidi (www.rechproject.com).

In passato, Fabrizio Agosta è stato assegnista di ricerca presso la Scuola di Scienze e Tecnologie dell'Università di Camerino (2007-2010)- Egli ha conseguito il titolo di **Dottore di Ricerca in Geologia Strutturale e Geomeccanica** presso l'Università di Stanford, California, USA (Aprile 2006), quello di **Master in Geologia** presso la Saint Louis University, Missouri, USA (Dicembre 2000), e quello di **Laurea in Scienze Geologiche** presso l'Università di Catania (Luglio 1997).

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Articoli Scientifici pubblicati in riviste soggette a revisioni anonime tra pari

1. La Bruna V., Lamarche J., **Agosta F.**, Rustichelli A., Giuffrida A., Salardon R., Mari L. (2020). Structural diagenesis of shallow platform carbonates: Role of early embrittlement on fracture setting and distribution, case study of Monte Alpi (Southern Apennines, Italy). *JOURNAL OF STRUCTURAL GEOLOGY*, 131, 103940.
2. Ferraro F., **Agosta F.**, Prasad M., Vinciguerra S., Violay M., Giorgioni M. (2020). Pore space properties in carbonate fault rocks of peninsular Italy. *JOURNAL OF STRUCTURAL GEOLOGY*, 130, 103913.
3. Giuffrida A., **Agosta F.**, Rustichelli A., Panza E., La Bruna V., Eriksson M., Torrieri S., Giorgioni M. (2020). Fracture stratigraphy and DFN modelling of tight carbonates, the case study of the Lower Cretaceous carbonates exposed at the Monte Alpi (Basilicata, Italy). *MARINE AND PETROLEUM GEOLOGY*, 112, 104045.
4. **Agosta F.**, Longhitano S., Mazzoli S., Minelli G., Tondi E. (2019). Geofluids and Energy for the XXI Century. *GEOFLUIDS*, <https://doi.org/10.1155/2019/7097252>.
5. Ferraro F., Koutaloni I., Vallianatos F., **Agosta F.** (2019). Application of non-extensive statistical physics on the particle size distribution in natural carbonate fault rocks. *TECTONOPHYSICS*, 771, 228119.

6. Fulignati P., **Agosta F.**, Belviso C., Prosser G., Lettino A., Petruccio A.V., Cavalcante F. (2019). Structural and Mineralogical Characterization of a Fossil Hydrothermal System Located at the Outermost Front of the Southern Apennines Fold-and-Thrust Belt. *GEOFLUIDS*, <https://doi.org/10.1155/2019/1840436>
7. Ferraro F., **Agosta F.**, Ukar E., Grieco D.S., Cavalcante F., Belviso C., Prosser G. (2019). Structural diagenesis of carbonate fault rocks exhumed from shallow crustal depths: An example from the central-southern Apennines, Italy. *JOURNAL OF STRUCTURAL GEOLOGY*, 122, 58-80.
8. Giuffrida A., La Bruna V., Castelluccio P., Panza E., Rustichelli A., Tondi E., Giorgioni M., **Agosta F.** (2019). Fracture simulation parameters of fractured reservoirs: Analogy with outcropping carbonates of the Inner Apulian Platform, southern Italy. *JOURNAL OF STRUCTURAL GEOLOGY*, 123, 18-41.
9. Parrino N., **Agosta F.**, Di Stefano P., Napoli G., Pepe F., Renda P. (2019). Fluid storage and migration properties of sheared Neptunian dykes. *MARINE AND PETROLEUM GEOLOGY*, 102, 521-534.
10. Panza E., **Agosta F.**, Rustichelli A., Vinciguerra S., Ougier-Simonin A., Dobbs M.R., Prosser G. (2019). Meso-to-microscale fracture porosity in tight limestones, results of an integrated field and laboratory study. *MARINE AND PETROLEUM GEOLOGY*, 103, 581-595.
11. Villani & the **Open EMERGEO Group (Agosta F.)** (2019). Publisher correction: A database of the coseismic effects following the 30 October 2016 Norcia earthquake in Central Italy (vol. 5, 180049, 2018). *NATURE SCIENTIFIC DATA*, 6.
12. La Bruna V., **Agosta F.**, Lamarche J., Viseur S., Prosser G. (2018). Fault growth mechanisms and scaling properties in foreland basin systems: the case study of Monte Alpi, southern Italy. *JOURNAL OF STRUCTURAL GEOLOGY*, 116, 94-113.
13. Ferraro F., **Agosta F.**, Prosser G. (2018). Space-time evolution of cataclasis in carbonate fault zones. *JOURNAL OF STRUCTURAL GEOLOGY*, 110, pp. 45-64.
14. Giano S.I., Pescatore E., **Agosta F.**, Prosser G. (2018). Geomorphic evidence of Quaternary tectonics within an underlap fault zone of southern Apennines, Italy. *GEOMORPHOLOGY*, 303, pp. 172-190.
15. Civico & the **Open EMERGEO Group** (2018). Surface ruptures following the 30 October 2016 Mw 6.5 Norcia earthquake, central Italy. *JOURNAL OF MAPS*, 14, 151-160.
16. Panza E., Sessa E., **Agosta F.**, Giorgioni M. (2018). Discrete Fracture Network modelling of a hydrocarbon-bearing, oblique-slip fault zone: Inferences on fault-controlled fluid storage and migration properties of carbonate fault damage zones. *MARINE AND PETROLEUM GEOLOGY*, 89, pp. 263-279.
17. Villani & the **Open EMERGEO Group** (2018). A database of the coseismic effects following the 30 October 2016 Norcia earthquake in Central Italy. *NATURE SCIENTIFIC DATA*, 5, pp. 180049.
18. La Bruna V., **Agosta F.**, Prosser G. (2017). New insights on the structural setting of the Monte Alpi area, Basilicata, Italy. *ITALIAN JOURNAL OF GEOSCIENCES*, 136 (2), pp. 220-237.
19. Petruccio A.V., **Agosta F.**, Prosser G., Rizzo E. (2017). Cenozoic tectonic evolution of the northern Apulian carbonate platform (southern Italy). *ITALIAN JOURNAL OF GEOSCIENCES*, 136 (2), pp. 296-311.
20. Sinisi R., Petruccio A.V., **Agosta F.**, Paternoster M., Belviso C., Grassa F. (2016). Fault and fluid interaction in the Bradano Trough, southern Italy. *TECTONOPHYSICS*, 690, pp. 206-218.
21. Korneva I., Tondi E., Balsamo F., **Agosta F.** (2016). Deformation mechanisms and petrophysical properties of chert and limestone fault rocks within slope-to-basin succession (Gargano Promontory, Southern Italy). *TECTONOPHYSICS*, 690, pp. 52-62
22. Rustichelli A., Torrieri S., Tondi E., Laurita S., Strauss Cristoph, **Agosta F.**, Balsamo F. (2016). Fracture characteristics in Cretaceous platform and overlying ramp carbonates: An outcrop study from Maiella Mountain (central Italy). *MARINE AND PETROLEUM GEOLOGY*, 76, 68-87.
23. Panza E., **Agosta F.**, Rustichelli A., Zambrano M., Tondi E., Prosser G., Giorgioni M., Janiseck J.M. (2016). Fracture stratigraphy of shallow-water, layered limestone rocks: inferences on the fluid flow properties of fractured tight carbonate reservoirs. *MARINE AND PETROLEUM GEOLOGY*, 73, 350-370.
24. Korneva I., Tondi E., Jablonska D., Di Celma C., Alsop I., **Agosta F.** (2016). Distinguishing tectonically- and gravity-driven synsedimentary deformation structures along the Apulian platform margin (Gargano Promontory, southern Italy). *MARINE AND PETROLUEM GEOLOGY*, 73, 479-491.
25. Zambrano M., Tondi E., Korneva I., Panza E., **Agosta F.**, Janiseck J.M., Giorgioni M. (2016). Fractured properties analysis and Discrete Fracture Network modelling of faulted tight limestones, Murge Plateau, Italy. *ITALIAN JOURNAL OF GEOSCIENCES*, 135, 55-67.
26. Tondi E., Rustichelli A., Cilona A., Balsamo F., Storti F., Napoli G., **Agosta F.**, Renda P., Giorgioni M. (2016). Hydraulic properties of fault zones in porous carbonates, examples from central and southern Italy. *ITALIAN JOURNAL OF GEOSCIENCES*, 135, 68-79.
27. Laurita S., **Agosta F.**, Cavalcante F., Rustichelli A., Janiseck J.M. (2016). Shearing of syn-sedimentary carbonate breccia along strike-slip faults, Altamura Fm., Southern Italy. *ITALIAN JOURNAL OF GEOSCIENCES*, 135, 41-54.

28. Panza E., **Agosta F.**, Zambrano M., Tondi E., Prosser G., Giorgioni M., Janiseck J.M. (2015). Structural architecture and Discrete Fracture Network modelling of layered fractured carbonates (Altamura Fm., Italy). *ITALIAN JOURNAL OF GEOSCIENCES*, 134, 409-422.
29. Korneva I., Cilona A., Tondi E., **Agosta F.**, Giorgioni M. (2015). Characterisation of the permeability anisotropy of Cretaceous platform carbonates by using 3D fracture modelling: the case study of Agri Valley fault zones (south Italy). *ITALIAN JOURNAL OF GEOSCIENCES*, 134, 396-408.
30. Rustichelli A., Tondi E., Korneva I., Baud P., Vinciguerra S., **Agosta F.**, Janiseck J.M. (2015). Bedding-parallel stylolites in shallow-water limestone successions of the Apulian Carbonate Platform (central-southern Italy). *ITALIAN JOURNAL OF GEOSCIENCES*, 134, 513-534.
31. **Agosta F.**, Wilson C., Aydin A. (2015). The role of mechanical stratigraphy on normal fault growth across a Cretaceous carbonate multi-layer, central Texas (USA). *ITALIAN JOURNAL OF GEOSCIENCES*, 134, 423-441.
32. Cavalcante F., Prosser G., **Agosta F.**, Corrado G. (2015). Post-depositional history of the Miocene Gorgoglione Fm., (southern Apennines, Italy): inferences from mineralogical and structural analyses. *BULLETIN OF THE FRENCH GEOLOGICAL SOCIETY*, 186, 243-256.
33. Novellino R., Prosser G., Spiess R., Viti C., **Agosta F.**, Tavarnelli E., Bucci F. (2015). Dynamic weakening along incipient low-angle normal faults in pelagic limestones (Southern Apennines, Italy). *JOURNAL OF GEOLOGICAL SOCIETY OF LONDON*, 172, 283-286.
34. Korneva I., Tondi E., **Agosta F.**, Rustichelli A., Spina V., Bitonte R., Di Cuia R. (2014). Structural properties of fractured and faulted Cretaceous platform carbonates, Murge Plateau (southern Italy). *MARINE AND PETROLEUM GEOLOGY*, 57, 312-326.
35. Cilona A., Faulkner D.R., Tondi E., **Agosta F.**, Mancini L., Rustichelli A., Baud P., Vinciguerra S. (2014). The effects of rock heterogeneity on compaction localization in porous carbonates. *JOURNAL OF STRUCTURAL GEOLOGY*, 67, 75-93.
36. Antonellini M., Cilona A., Tondi E., Zambrano M., **Agosta F.** (2014). Fluid flow numerical experiments of faulted porous carbonates, Northwest Sicily (Italy). *MARINE AND PETROLEUM GEOLOGY*, 55, 186-201.
37. Rustichelli A., **Agosta F.**, Tondi E., Galindo-Zaldivar J., Di Celma C., Spina V. (2013). Fault growth as a key control on the sedimentary architecture and depositional environments of extensional basins: the case study of the Tablate area (Granada Basin, Spain). *ITALIAN JOURNAL OF GEOSCIENCES*, 132, 422-442.
38. Rustichelli A., **Agosta F.**, Tondi E., Spina V. (2013). Spacing and distribution of bed-perpendicular joints throughout layered, shallow-marine carbonates (Granada Basin, southern Spain). *TECTONOPHYSICS*, 582, 188-204.
39. Rustichelli A., Tondi E., **Agosta F.**, Di Celma C., Giorgioni M. (2013). Sedimentologic and diagenetic controls on pore-network characteristics of Oligocene–Miocene ramp carbonates (Majella Mountain, central Italy). *AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN*, 97, 487-524.
40. Rustichelli A., Tondi E., **Agosta F.**, Cilona A., Giorgioni M. (2012). Development and distribution of bed-parallel compaction bands and pressure solution seams in the Bolognano Formation carbonates (Majella Mountain, Italy). *JOURNAL OF STRUCTURAL GEOLOGY*, 37, 181-199.
41. **Agosta F.**, Ruano P., Rustichelli A., Tondi E., Galindo-Zaldivar J., Sanz de Galdeano C. (2012). Inner structure and deformation mechanisms of normal faults in conglomerates and carbonate grainstones (Granada Basin, Betic Cordillera, Spain): Inferences on fault permeability. *JOURNAL OF STRUCTURAL GEOLOGY*, 45, 4-20.
42. Tondi E., Cilona A., **Agosta F.**, Aydin A., Rustichelli A., Renda P., Giunta G. (2012). Growth processes, dimensional parameters and scaling relationships of two conjugate sets of compactive shear bands in porous carbonate grainstones, Favignana Island, Italy. *JOURNAL OF STRUCTURAL GEOLOGY*, 37, 53-64.
43. Cilona A., Baud P., Tondi E., **Agosta F.**, Vinciguerra S., Rustichelli A., Spiers C.J. (2012). Deformation bands in porous carbonate grainstones: field and laboratory observations. *JOURNAL OF STRUCTURAL GEOLOGY*, 45, 137-157.
44. **Agosta F.** (2012). Photograph of the month. *JOURNAL OF STRUCTURAL GEOLOGY*, 45, 3.
45. Tondi E., **Agosta F.**, Rustichelli A., Cilona A. (2011). Faults and fractures in carbonate rocks. *EXPLORATION & PRODUCTION*, 9, 29-34.
46. **Agosta F.**, Alessandrini M., Antonellini M., Tondi E., Giorgioni M. (2010). From fractures to flow: a field-based analysis of an outcropping carbonate reservoir. *TECTONOPHYSICS*, 490, 197-213.
47. **Agosta F.**, Alessandrini M., Tondi E., Aydin A. (2010). Oblique normal faulting along the northern edge of the Majella Anticline, central Italy: inferences on hydrocarbon migration and accumulation. *JOURNAL OF STRUCTURAL GEOLOGY*, 32, 1317-1333.
48. Aydin A., Antonellini M., Tondi M., **Agosta F.** (2010). Deformation along the leading edge of the Majella thrust sheet in central Italy. *JOURNAL OF STRUCTURAL GEOLOGY*, 32, 1291-1304.

49. **Agosta F.**, Alessandrini M., Tondi E., Aydin A. (2009). Oblique normal faulting along the northern edge of the Majella anticline, central Italy: inferences on structurally controlled hydrocarbon flow. *JOURNAL OF STRUCTURAL GEOLOGY*, 31, 674-690.
50. Giunta G., Luzio D., **Agosta F.**, Calò M., Di Trapani F., Giorgianni A., Oliveri E., Orioli S., Perniciaro M., Vitale M., Chiodi M., Adelfio G. (2009). An integrated approach to investigate the seismotectonics of northern Sicily and southern Tyrrhenian. *TECTONOPHYSICS*, 476, 13-21.
51. **Agosta F.** (2008). Fluid flow properties of basin-bounding normal faults in platform carbonates, Fucino Basin, central Italy. Geological Society, London, Special Publications 299 (1), 277-291.
52. **Agosta F.**, Mulch A., Chamberlain P., Aydin A. (2008). Geochemical traces of CO₂-rich fluid flow along normal faults in central Italy. *GEOPHYSICAL JOURNAL INTERNATIONAL*, 174, 758-770.
53. Antonellini M., Tondi E., **Agosta F.**, Aydin A., Cello G. (2008). Failure modes in basin carbonates and their impact on fault development, Majella Mountain, central Italy. *MARINE AND PETROLEUM GEOLOGY*, 25, 1074-1096.
54. **Agosta F.**, Prasad M., Aydin A. (2007). Physical properties of carbonate fault rocks, Fucino Basin (central Italy): implications for fault seal in platform carbonates. *GEOFLUIDS*, 17, 19-32.
55. **Agosta F.**, Aydin A. (2006). Architecture and deformation mechanism of a basin-bounding normal fault in Mesozoic platform carbonates, Central Italy. *JOURNAL OF STRUCTURAL GEOLOGY*, 28, 1445-1467.
56. **Agosta F.**, Kirschner D.L. (2003). Fluid conduits in carbonate-hosted seismogenic normal faults of central Italy. *JOURNAL OF GEOPHYSICAL RESEARCH*, 108, B4, 2221-2234.
57. Ghisetti F., Kirschner D.L., Vezzani L., **Agosta F.** (2001). Stable isotope evidence for contrasting paleofluid circulation in thrust and seismogenic normal faults of central Apennines, Italy. *JOURNAL OF GEOPHYSICAL RESEARCH*, 106, 8811-8825.
58. Kirschner D.L., Encarnacion J., **Agosta F.** (2000). Incorporating stable-isotope geochemistry in undergraduate laboratory courses. *JOURNAL OF GEOSCIENCE EDUCATION*, 48, 209-215.

Potenza, 22 Agosto 2020

In fede,

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