



## Sonia Armandola

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### Brief Summary

Sonia is a geochemist and geochronologist.

**Education:** BSc at Università di Pavia (Italy); MSc at Università of Pavia (Italy) - Freie Universität Berlin (Germany).

### Research interests:

Sonia research interest include the development of new techniques for the geochemical applications in provenance studies. Large part of her work focus on uranium-lead geochronology of detrital zircons and titanite accessory phases and statistical studies, to investigate sediment provenance. The data are used to constrain the crustal evolution in Precambrian time.

**Thesis title:** Detrital accessory phase geochemistry and geochronology of Capricorn basins and implications for the evolution of the Capricorn Orogen (WA).

**Supervisors:** Steven Reddy and Chris Clark

### Conferences:

Detrital zircon U-Pb geochronology of Capricorn intraorogenic basins, new age constraints and provenance.

**Armandola S.**, Reddy S. M., Taylor R., Clark C., A. Kylander-Clark. 25 Nov 2016 SIEF conference abstract CSIRO, Perth, WA.

Resolving the evolution of long-lived orogens through laser-split stream ICP-MS of detrital accessory minerals preserved in successor basins.

**Armandola S.**, Reddy S. M, Taylor R., Clark C. 23 Aug 2016 35IGC, Cape Town, South Africa.