



## What directions in granite research are you most excited about?

Open text poll  50 responses 37 participants

- Anonymous  
Would be nice to have more summaries of the new advancements in comparison with old models and results in an educative way. This is something that the young generation asks from the senior generation.
- Anonymous  
Secular changes
- Anonymous  
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- Anonymous  
How Structural development of the plumbing system features chemical evolution and vice versa
- Anonymous  
Connect granites/rhyolite knowledge to fight climate change
- Anonymous  
Connect granites/rhyolite knowledge to fight climate change
- Anonymous  
Planetary granites and what they say about the potential evolution of tectonics!
- Anonymous  
.
- Anonymous  
I'm excited about Granitoid rocks as archives of Earth's planetary evolution (including life). Connections of granitoids to the carbon cycle (life again), redox, fluids and metallogeny. Here we can begin richer discussions with the Public about our rapidly changing planetary environment.
- Anonymous  
How can we get better insight in the complex, protracted processes that generate silicic magmas, while we only get access to the end-products ? (Both in space - the upper crust/surface; and time - the final stage of the system's evolution)
- Anonymous  
More discussions in chalcophiles, PGEs, critical raw materials related to granites



Anonymous

(Potential) connections between various granite types and coeval extrusives



Anonymous

I would like to have more discussions in those granitic systems working even without the need of subduction



Anonymous

magma plumbing system



Anonymous

More physics, fluid dynamics and material science driven overlap in researching magma plumbing systems



Anonymous

Microstructures



Anonymous

Timescale of magmatic process



Anonymous

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Anonymous

Timescales of magmatic systems



Anonymous

Field are petrographic features that demonstrate the processes of origin and evolution of granites.



Anonymous

I would like to see more studies about connection between mafic rocks and granitic rocks. For instance, what can the granitic community learnt from layered intrusion community? It is time to meet white and black rocks!!!



Anonymous

Coupling between chemical and physical (structural) approaches.



Anonymous

There is a huge gap in knowledge as result of little research developed in third world countries. Most models have been developed in developed countries and this is taking us to facing a biased and limited understanding of granites. The other issue is the need of multiple approaches to study granites and going from field to lab to modeling including more research integrated with AI.



Anonymous

Zircon geochronology



Anonymous

Plutonic-volcanic connection Origin of pegmatites



Anonymous

Should we stop measuring U-Pb zircons?



Anonymous

The metamorphic-magmatic feedback



Anonymous

The mechanical behaviour of rhyolite magma as it moves.



Anonymous

Magmatic-hydrothermal fluids and ore resources



Anonymous

More petrography, ore geochemistry, field work

- Anonymous  
The volcanic-plutonic connection.
- Anonymous  
Peritectic reaction in deep crust and it's relations to granite
- Anonymous  
Link between granites and rhyolites?
- Anonymous  
Super volcano
- Anonymous  
The role of the mantle and tectonics in subduction systems
- R** Roberto  
The physical and chemical impact of volatile phases in the evolution of granitic rocks
- Anonymous  
Petrology, geochemistry, mineral chemistry and fluid inclusions
- Anonymous  
why continental crust has some voluminous granitic rocks?
- Anonymous  
Magmatic emplacement and plumbing systems
- Anonymous  
Integration of Petrology with Tectonics Integration of all with Grophydics 3D modelling



Anonymous

I am excited to have granite scientists contribute to understanding lunar volcanism



Anonymous

Nature of magma plumbing systems, rates of magma processes



Anonymous

Distinguish path vs source contamination



Anonymous

Magmatic systems top to bottom. Are they all the same? How do they differ and why?



Anonymous

Differentiation processes



Anonymous

Volcanic-plutonic connection



Anonymous

Aid of high-precision geochronology to better understand genesis of granites



Anonymous

Petrographic and field based evidence for proposed hypotheses!



Anonymous

Experimental petrology



Anonymous

Generation and transport of rhyolite