

Accepted Manuscript

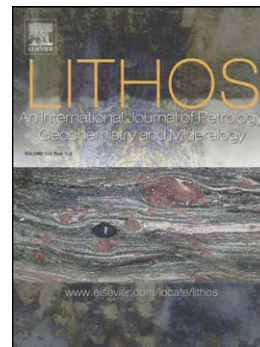
Paleoproterozoic crustal evolution in the East Sarmatian Orogen: Petrology, geochemistry, Sr-Nd isotopes and zircon U-Pb geochronology of andesites from the Voronezh massif, Western Russia

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PII: S0024-4937(16)00003-7
DOI: doi: [10.1016/j.lithos.2015.12.025](https://doi.org/10.1016/j.lithos.2015.12.025)
Reference: LITHOS 3796

To appear in: *LITHOS*

Received date: 30 September 2015
Accepted date: 29 December 2015



Please cite this article as: Terentiev, R.A., Savko, K.A., Santosh, M., Paleoproterozoic crustal evolution in the East Sarmatian Orogen: Petrology, geochemistry, Sr-Nd isotopes and zircon U-Pb geochronology of andesites from the Voronezh massif, Western Russia, *LITHOS* (2016), doi: [10.1016/j.lithos.2015.12.025](https://doi.org/10.1016/j.lithos.2015.12.025)

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Paleoproterozoic crustal evolution in the East Sarmatian Orogen:
petrology, geochemistry, Sr-Nd isotopes and zircon U-Pb
geochronology of andesites from the Voronezh massif, Western
Russia

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Abstract. Andesites and related plutonic rocks are major contributors to continental growth and provide insights into the interaction between the mantle and crust. Paleoproterozoic volcanic rocks are important components of the East Sarmatian Orogen (ESO) belonging to the East European Craton, although their petrogenesis and tectonic setting remain controversial. Here we present petrology, mineral chemistry, bulk chemistry,

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