

# CONTENTS

---

VOLUME 44

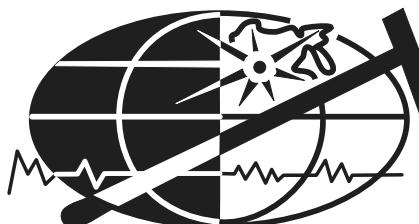
NUMBER 12

2003

---

## RUSSIAN GEOLOGY AND GEOPHYSICS

Dedicated to the 100th birthday of Academician  
YURI ALEKSEEVICH KUZNETSOV



Editor: G.V. Polyakov

PAGES  
RUSSIAN/ENGLISH

Foreword . . . . .	1191	
Scientific legacy of Academician Yu.A. Kuznetsov and topical problems of formational analysis of igneous complexes. G.V. Polyakov and A.E. Izokh . . . . .	1235	1192
Mantle plumes and their role in the formation of anorogenic granitoids. N.L. Dobretsov . . . . .	1243	1199
Magma-forming fluid systems of continental lithosphere. F.A. Letnikov . . . . .	1262	1219
Rift and within-plate magmatism in the context of hot and cold mantle fields. M.I. Kuz'min, A.I. Al'mukhamedov, V.V. Yarmolyuk, and V.A. Kravchinsky . . . . .	1270	1226
Magmatism and geodynamics of Early Caledonian structures of the Central Asian fold belt (isotopic and geological data). V.I. Kovalenko, V.V. Yarmolyuk, V.P. Kovach, A.B. Kotov, and E.B. Sal'nikova . . . . .	1280	1235
Indicator igneous assemblages in the Central Asian fold belt: implications for geodynamic environments of the Paleoasian Ocean. I.V. Gordienko . . . . .	1294	1249
Batholiths and geodynamics of batholith formation in the Central Asian fold belt. V.V. Yarmolyuk and V.I. Kovalenko . . . . .	1305	1260
Geodynamics and granitoid magmatism of collisional orogens. A.G. Vladimirov, N.N. Kruk, S.N. Rudnev, and S.V. Khromykh . . . . .	1321	1275
Comparative analysis of continental and oceanic plateau basalts ( <i>data on the Siberian Platform and Ontong Java Plateau</i> ). V.V. Zolotukhin, V.A. Simonov, A.I. Al'mukhamedov, A.Ya. Medvedev, and Yu.R. Vasil'ev . . . . .	1339	1293
Subduction-related intrusive magmatism in the Urals. G.B. Fershtater . . . . .	1349	1303
Petrology of mafic-ultramafic layered intrusions in Precambrian platforms: state of the art and new approaches. E.G. Konnikov, A.A. Ariskin, G.S. Barmina, and E.V. Kislov . . . . .	1365	1319

(to be continued)

<a href="#">A magmatic center with the Erdenetiyn-Ovoo porphyry Cu-Mo deposit (<i>Northern Mongolia</i>): geology and chemistry of intrusive complexes.</a> A.P. Berzina and V.I. Sotnikov . . .	1374	1328
<a href="#">Geological mapping and formational analysis: state of the art, problems, and prospects of integration.</a> S.P. Shokal'sky, L.D. Rucheikova, S.I. Strel'nikov, and I.N. Tikhomirov . . . . .	1391	1345
<i>INDEX</i>		
<a href="#">Author index, Volume 44, Numbers 1–12, 2003</a> . . . . .	1362	
<a href="#">Tables of contents, Volume 44, Numbers 1–12, 2003</a> . . . . .	1365	