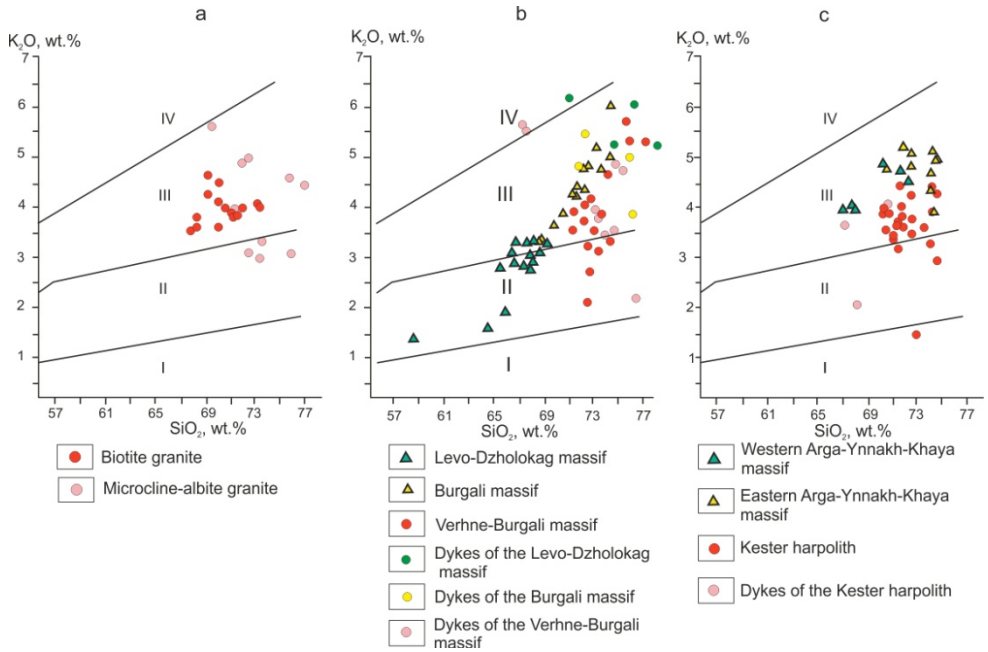


Figure S4. K_2O vs. SiO_2. diagram fields from [1, 2]: I – tholeiitic, II – calc-alkaline, III – high-K calc-alkaline, IV – shoshonite series. (a) for biotite and microcline-albite granites of the Omchikandya massif; (b) for granitoids of the Burgali ore field; (c) for magmatic rocks of the Arga-Ynnakh-Khaya ore field.

1. Whiteford, D.G.; Nicholls, I.A.; Taylor, S. R. Spatial variations in the geochemistry of Quaternary lavas across the Sunda arc in Java and Bali. *Contributions to Mineralogy and Petrology* **1979**, *70*, 341–356.
2. McKenzie, D.E.; Chappell, B.W. Shoshonitic and calc-alkaline lavas from the highlands of Papua, New Guinea. *Contributions to Mineralogy and Petrology* **1972**, 35, 50–62.