



Fig. 1: Photographs illustrating the Vosgian granitoids of the two Mg–K associations. (a) – Basic rocks of CVMg–K. (b) – Dark facies of CVMg–K. (c) – Light facies of CVMg–K. (d) – Basic rocks of SVMg–K. (e) – Porphyritic facies of SVMg–K. (f) – Fine-grained granite of SVMg–K.

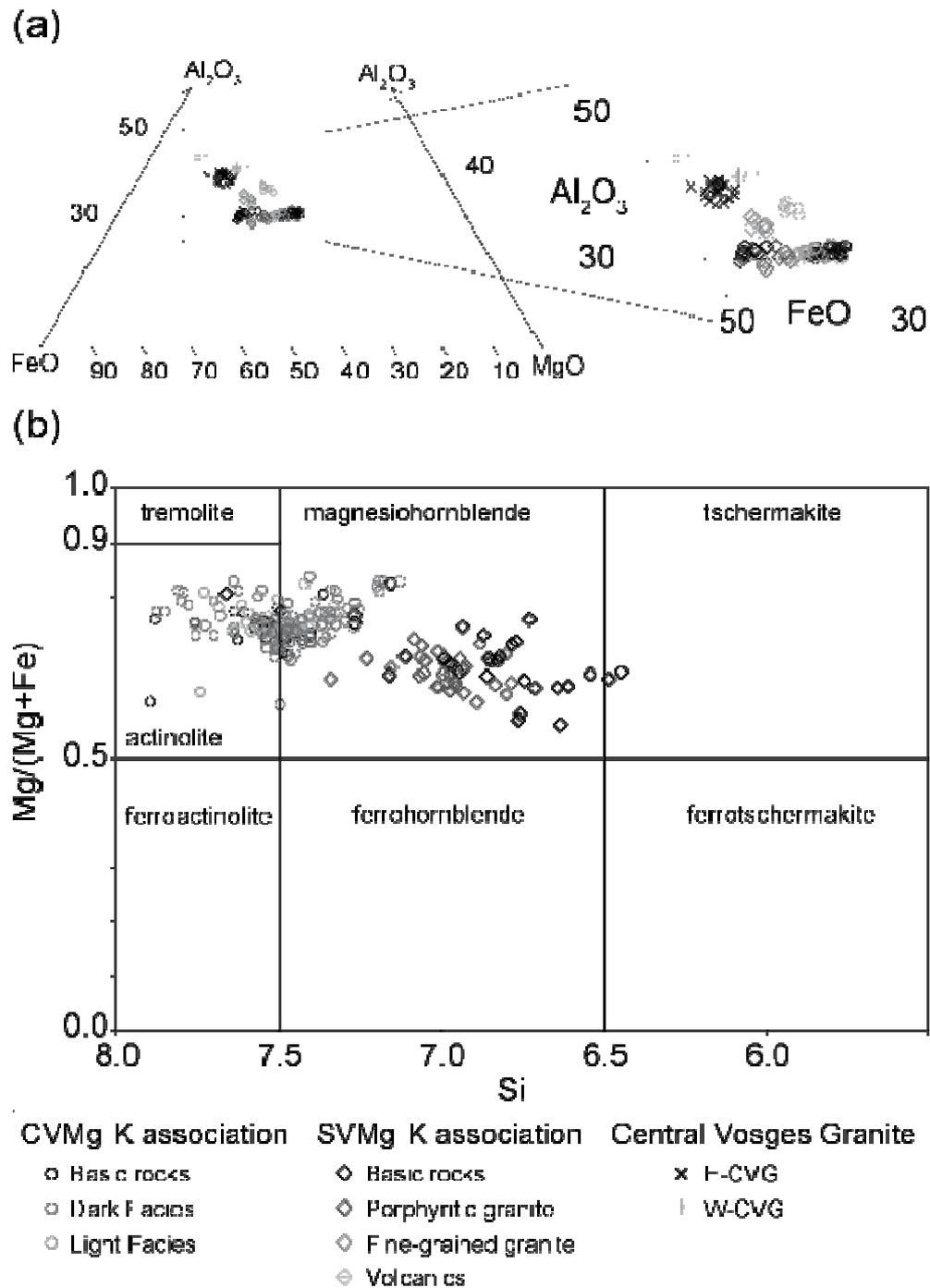


Fig. 2: (a) – Biotite compositions from CVMg–K, SVMg–K and CVG in Al_2O_3 –FeO–MgO (wt. %) diagram; (b) – Amphibole compositions from CVMg–K and SVMg–K in X_{Mg} vs. Si (a.p.f.u.) diagram (after [Leake et al. 1997](#)).

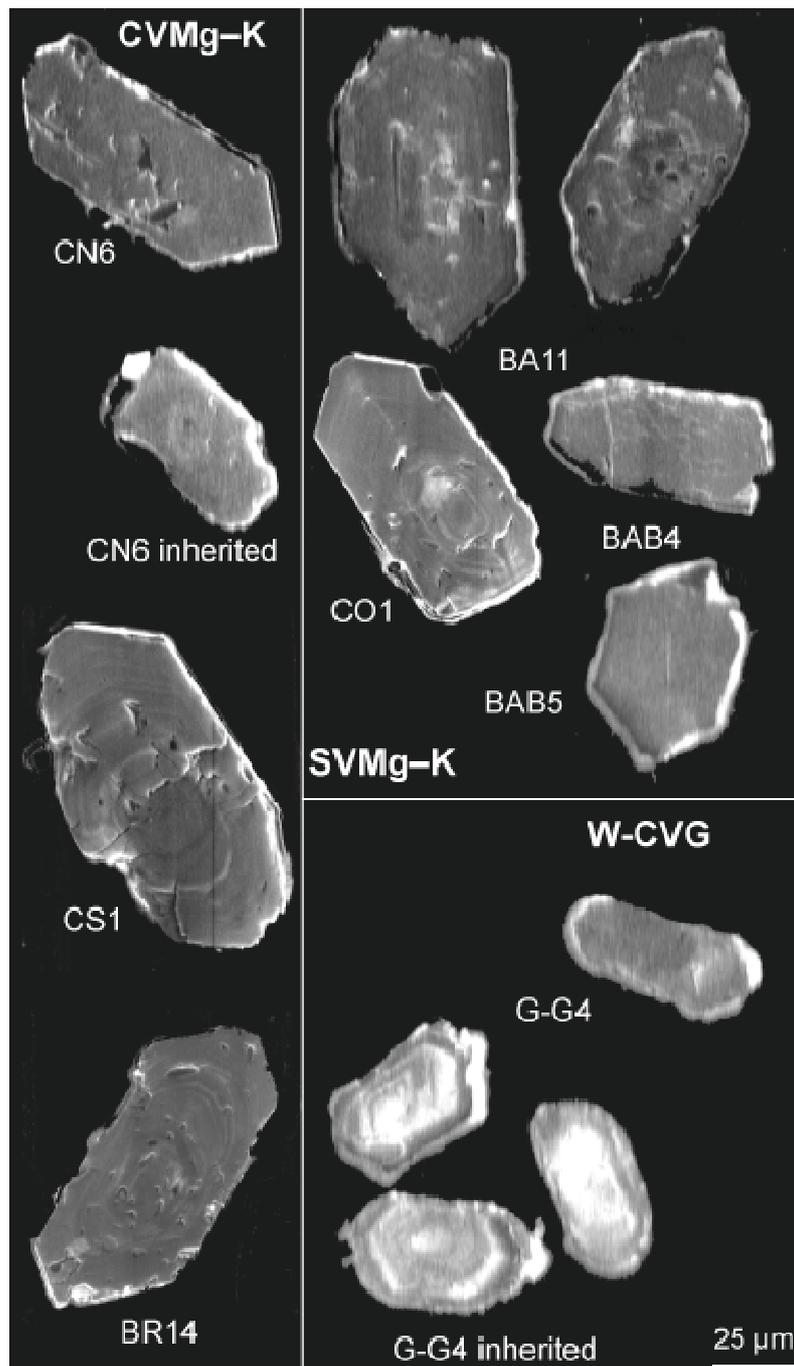


Fig. 3: Cathodoluminescence images of the typical dated zircon grains for CVMg-K (CN6, CS1 and BR14), SVMg-K (BA11, CO1, BAB4 and BAB5), W-CVG (G-G4 and G1-3).

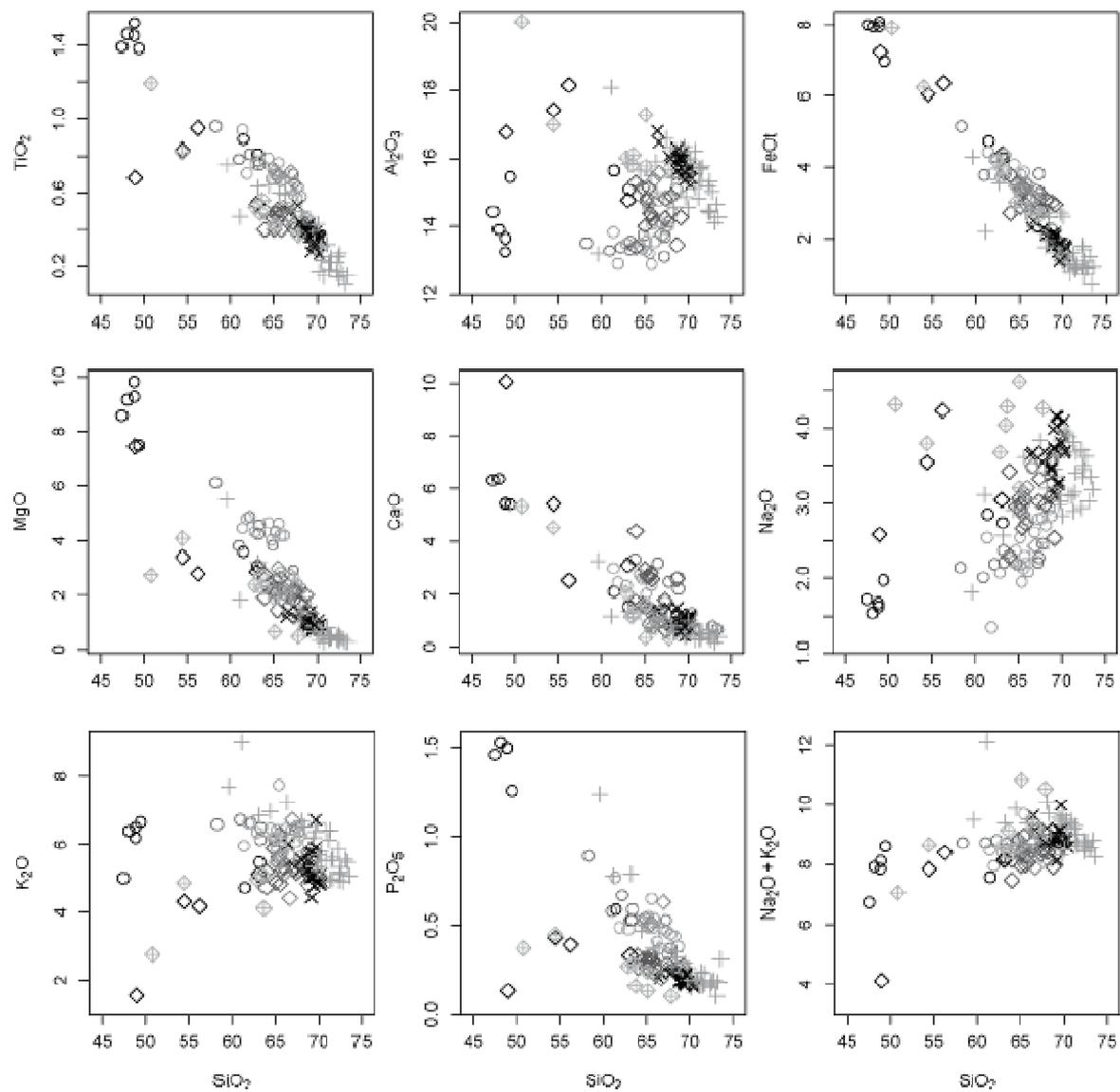


Fig. 4: Binary plots of silica vs. selected major- and minor-element oxides and total alkalis (wt. %) for whole-rock samples from CVMg–K, SVMg–K, E- and W-CVG. Same legend as in Fig. 2.

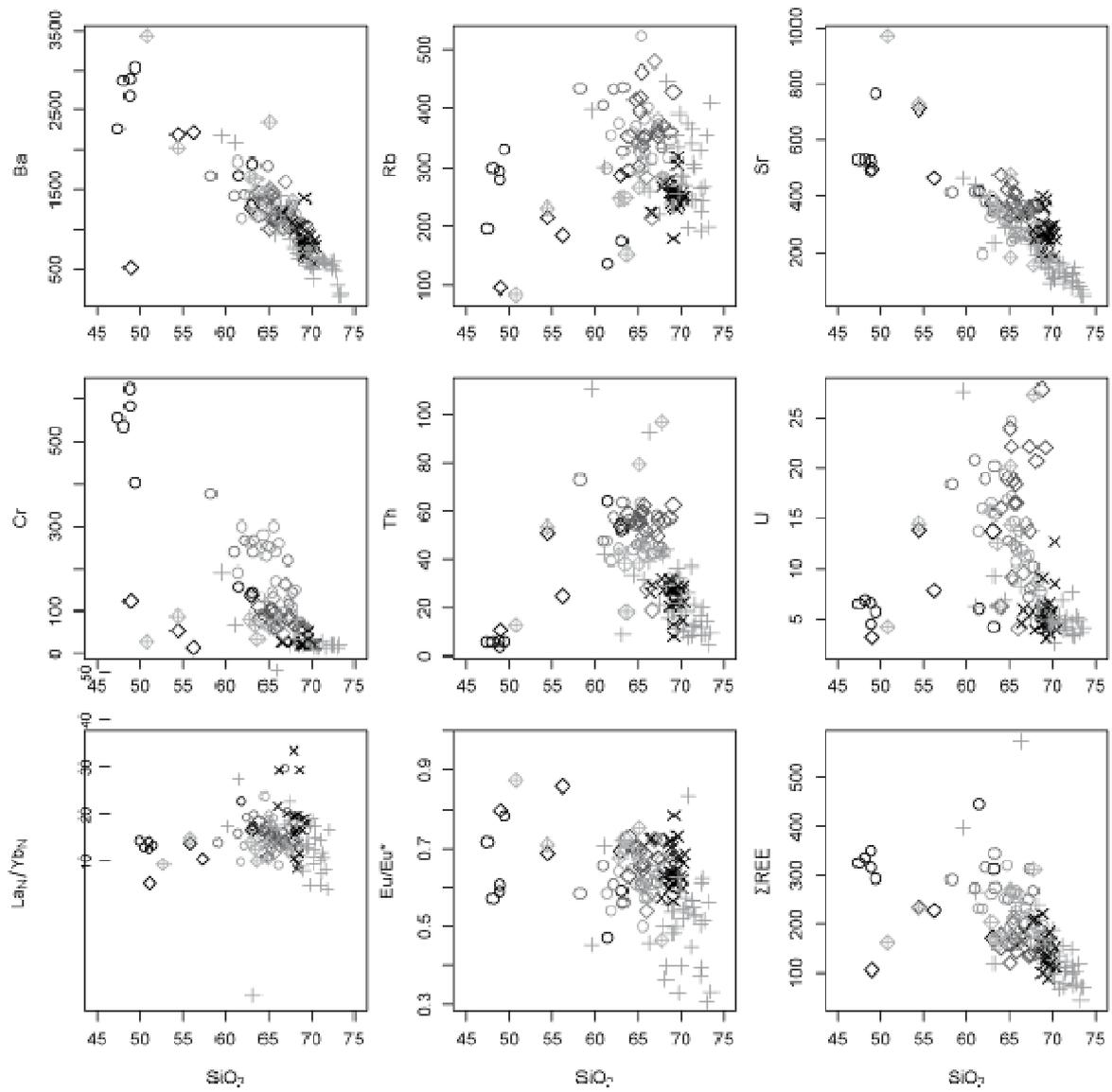


Fig. 5: Binary plots of silica vs. selected whole-rock trace-element contents (ppm), La_N/Yb_N ratios, Eu/Eu^* and ΣREE . Same legend as in Fig. 2.

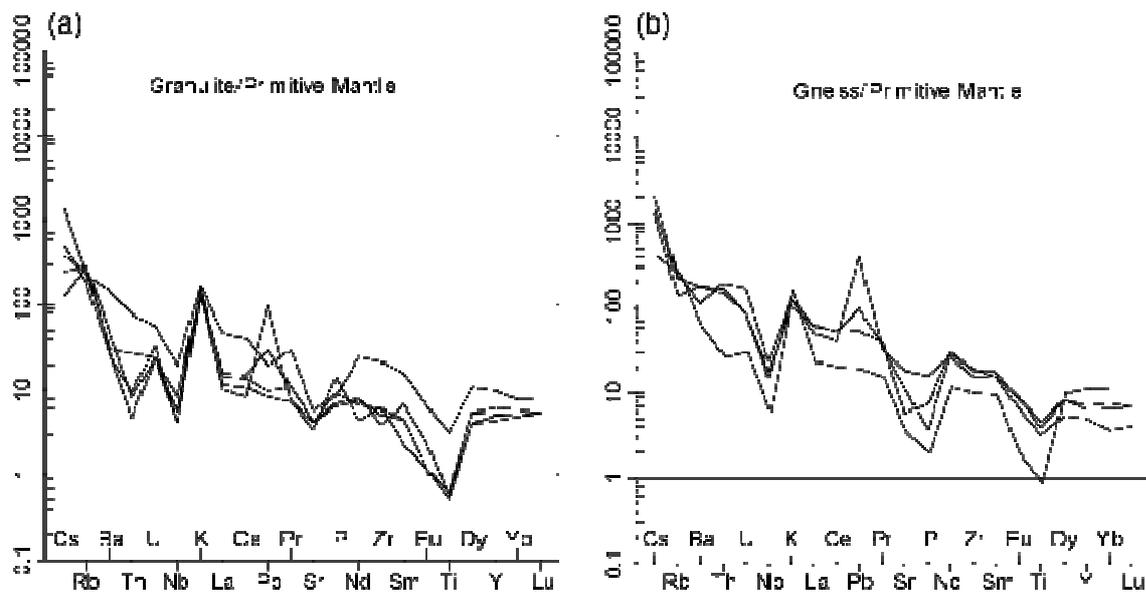


Fig. 6: Primitive mantle-normalized spider plots (after Sun & McDonough 1989) for (a) – Vosgian granulite and (b) – gneiss (data from Skrzypek 2011).

References:

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