

## **Dr. Dmitry A. Ruban**

### **Major fields of research expertise:**

palaeobiology, stratigraphy, palaeogeography, tectonics, and geoconservation/geotourism

### **Research:**

Phanerozoic palaeobiology - fossil diversity, crises, mass extinctions, and their causes and factors;

-catastrophes in the history of the Earth (including the end-Pleistocene event)

-chrono-, bio-, litho-, synthem, sequence, and event stratigraphy;

-Jurassic marine invertebrates;

-palaeogeography and palaeoenvironmental reconstructions;

-sea-level changes, eustasy, transgressions/regressions;

-Neogene evolution of the Paratethys Sea;

-regional tectonic evolution;

-plate tectonics;

-major shear zones;

-Variscan and Alpine geology;

-comparative geology (interregional correlations and comparisons);

-hydrocarbon potential evaluation (depositional and tectonic settings of source rocks and reservoirs, analogs of hydrocarbon-bearing basins);

-management of the geological heritage (geoconservation);

-geotourism.