

**PRILOG POZNAVANJU MINERALA BOSNE I HERCEGOVINE**

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*Kompleksnost i raznolikost geološke građe Bosne i Hercegovine uvjetovale su da je broj mineralnih vrsta, utvrđenih do danas, prilično velik.*

*Među identifikovanim mineralima u Bosni i Hercegovini se nalaze brojne pojave dragog i poludragog kamenja. Značajne su pojave berila, cirkona, turmalina, korunda, olivina, kao i pojave granata, kordijerita, distena i drugog dragog i poludragog kamenja koji se nalaze u raznim lokalitetima i geološkim sredinama.*

*Među utvrđenim mineralima na području Bosne i Hercegovine ima i onih koji nisu široko rasprostranjeni, a neki od njih predstavljaju i svjetsku rijetkost kao što su: sjerlzit, hijalofan, suolunit, gaspeit i tuzlait. Mineral sjerlzit je pronađen u Loparama kod Tuzle i to jedino nalazište u Evropi. Dosadašnjim istraživanjima je ovaj mineral nađen samo u SAD na nekoliko lokaliteta. Hijalofan je rijedak mineral nađen samo u Zagradskom potoku kod Busovače (Bosna i Hercegovina), u Binnentalu (Švicarska) i kod Jakobsberga (Švedska). Suolunit je u Bosni i Hercegovini vrlo rijedak mineral determinisan jedino u banji Kulaši kod Doboja. Ovaj izuzetno rijedak mineral nađen je još samo u Mongoliji. Gaspeit je takođe rijedak mineral utvrđen jedino u Dubošćici (kod Vareša) i na poluotoku Gaspe, Quebec u Kanadi. Tuzlait je pronađen u tuzlanskom sonom ležištu gdje se javlja uz halit, i nigdje u svijetu nisu determinisani primjerci ovog minerala.*

*U radu su detaljno obrađeni ti minerali i navedeni su autori koji su ih istraživali ili su ih spominjali u svojim radovima i time doprinjeli njihovom poznavanju. Podaci o mineralima koji su prikazani u radu dobijeni su terenskim istraživanjima i upotpunjeni su podacima laboratorijskih ispitivanja.*

**Ključne riječi:** rijetki minerali, sjerlzit, hijalofan, suolunit, gaspeit i tuzlait, drago i poludrago kamenje, terenska i laboratorijska istraživanja

**CONTRIBUTION TO THE KNOWLEDGE OF THE MINERALS OF BOSNIA AND HERZEGOVINA**

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*The complexity and diversity of the geological structure of Bosnia and Herzegovina resulted in a quite large number of mineral species found.*

*Among the identified minerals in Bosnia and Herzegovina, there are numerous occurrences of precious and semiprecious stones. There are significant occurrences of beryl, zircon, tourmaline, corundum, olivine, as well as the appearance of garnets, cordierite, kyanite and other precious and semi-precious stones found in various localities and geological environments.*

*Among the minerals on the territory of Bosnia and Herzegovina, there are also those that are not widespread, and some of them represent world-wide rarities such as searlesite, hyalophane, suolunite, gaspeite, and tuzlaite. Lopare near Tuzla is the only site in Europe where searlesite was found. Previous research determined the existence of this mineral only on several sites in the United States. Hyalophane is a rare mineral found only in the Zagradski Potok near Busovača (Bosnia and Herzegovina), Binnental (Switzerland) and Jakobsberg (Sweden). Suolunite is a very rare mineral in Bosnia and Herzegovina, determined only in Kulaši near Doboj. Besides this site, this extremely rare mineral was found only in Mongolia. Gaspeite is also a rare mineral found only in Duboštica (near Vareš) and on the peninsula of Gaspe, Quebec, Canada. Tuzlaite was found together with halite in the Tuzla salt basin and specimens of this mineral cannot be found elsewhere in the world.*

*In this paper, these minerals are analyzed in detail. The authors who explored them and/or mentioned them in their papers and thus contributed to the overall body of knowledge are credited. The data on the minerals shown in this paper were obtained by field research and supplemented by laboratory examinations.*

**Keywords:** *rare minerals, searlesite, hyalophane, suolunite, gaspeite, tuzlaite, precious*