

# Curriculum Vitae

Gavril Săbău

## **Date personale**

**Nume:** Săbău

**Prenume:** Gavril

**Data nașterii:** 20.07.1956

**Locul nașterii:** RO-2696 Lupeni, Roumanie

**Cetățenia:** română

**Adresa personală:** Str. M. Eminescu 137, RO-020075 București 9, sect. 2

**Telefon:** + 40-723022972

**E-mail:** g\_sabau@yahoo.co.uk

## **Formare profesională**

### **Universitatea din București, facultatea de Inginerie Geologică și Geofizică:**

- 1981, diplomă de inginer, studii de lungă durată (5 ani). Subiect: mineralogia și petrologia rodingitelor
- 1999, teză de doctorat. Subiect: Distribuția tipurilor barice de metamorfism dans în soclul Carpaților Meridionali: semnificație și consecințe asupra interpretărilor structurale.

### **Centrul des Cercetări pentru Explorarea Resurselor Minerale Utile, Institutul Geologic al Academiei Chineze de științe, Beijing:**

- 2001, curs intensiv de tehnici de analiză geochemică.

## **Sinteza competențelor**

**Calificare:** inginer geolog și geofizician licențiat, doctor în științe ale naturii (geologie), cercetător științific gr. I

**Domenii de activitate:** Mineralogia, petrologia, geochimia, geocronologia și geotectonica rocilor metamorfice, petrologie endogenă, termobarometrie geologică, cartografie geologică, prospecțiuni pentru substanțe minerale solide.

**Limbi străine:** nivel de cunoaștere a limbii scris/citit/vorbit: engleză (foarte bun/foarte bun/bun), germană (bun/bun/mediu), franceză (mediu/foarte bun/mediu)

**Asociații profesionale** (membru în prezent sau în trecut): Societatea Geologică a României, Societatea Mineralogică a României, Humboldt Club România (membru al secretariatului), National Geographic Society, American Association for the Advancement of Science, Geochemical Society, Global Science and Technology Forum, Российское минералогическое общество

## Curriculum Vitae

Gavril Săbău

### Experiență profesională

- 09.03.2017 – prezent: Institutul Geologic al României, Cercetător științific gr. I, dep. Geologie Regională
- 08.04.2015 – 08.03.2017: Institutul Geologic al României, Cercetător științific gr. I, șef Departament Instalații de Interes Național
- 04.05.2012 – 08.04.2015: Institutul Geologic al României, Cercetător științific gr. I, sv. Sinteze și Interpretare, director de proiect;
- 01.02.2012 – 03.05.2012: Institutul Geologic al României, Cercetător științific gr. I, Sinteze Geologice Regionale, director de proiect;
- 16.06.2011 – 02.02.2012 Institutul Geologic al României, Director științific
- 01.02.2008 – 15.06.2011 Institutul Geologic al României, Cercetător științific gr. I, Sinteze Geologice Regionale;
- 14.07.2006 – 31.01.2008 Institutul Geologic al României, Șeful Secției de Geologie Regională, Geochimie și Resurse Minerale
- 20.03.2003 – 13.07.2006: Institutul Geologic al României, Șeful Secției de Hărți Naționale Geotematice;
- 01.09.2002 – 19.03.2003 Institutul Geologic al României, Cercetător științific principal gr. I: studii petrologice și structurale;
- 01-06.2001 Universitatea din Torino, Italia, bursier NATO/CNR: studii mineralogice și petrologice asupra rocilor de presiune ridicată;
- 01.01.1997 – 01.09.2002 Institutul Geologic al României, Cercetător științific principal gr. II: elaborarea de studii petrologice și structurale, elaborare și execuție a programelor de cercetare contractate cu ANCS/(ANSTI)/Academia Română, cartare pentru Harta Geologică a României, sc. 1:50.000;
- 1994 – 1995 Universitatea din București, Facultatea de Geologie și Geofizică, Catedra de Mineralogie: colaborator extern (plata cu ora) - petrologie;
- 1992 – 1994 Universitatea Ruhr din Bochum, Germania, bursier al Fundației Alexander von Humboldt: studii mineralogice și petrologice asupra rocilor de presiune ridicată din Carpații Meridionali;
- 1990 – 1992 Universitatea din București, Facultatea de Geologie și Geofizică, Catedra de Mineralogie: colaborator extern (plata cu ora) - mineralogie;
- 1991 Universitatea Ecologică București: colaborator extern (plata cu ora) - mineralogie;
- 01.08.1990 – 01.01.1997 Institutul Geologic al României, Cercetător științific principal gr. III: elaborarea de studii petrologice și structurale, cartare pentru Harta Geologică a României, sc. 1:50.000;
- 01.06.1988 - 31.07.1990 Institutul de Geologie și Geofizică București, cercetător științific: elaborarea de studii petrologice și structurale, cartare pentru Harta Geologică a României, sc. 1:50.000, președinte al Comisiei Florilor de Mină IGR;
- 05.09.1983 - 31.05.1988 Institutul de Geologie și Geofizică București, inginer geolog: elaborarea de studii petrologice și structurale, cartare pentru Harta Geologică a României, sc. 1:50.000;
- 01.09.1981 – 05.09.1983 Întreprinderea de Prospekțiuni Geologice și Geofizice București, inginer geolog stagiar: prospekțiuni pentru substanțe minerale solide în terenuri metamorfice, elaborarea de hărți și secțiuni geologice, documentarea forajelor.

Am

## Curriculum Vitae

Gavril Săbău

### Proiecte de cercetare

- director de proiect PN-II-ID-PCE-2011-3-0030 (2011-2016)
- responsabil de proiect partener I-C2/P-CD nr. 732/24.07.2006 (2006-2008)
- lider de proiect AvH Institutional Partnership "P-T-t evolution of the pre-Alpine basement units of the South Carpathians" (2004-2007)
- NATO-CNR Outreach Research Fellowship, Dip. Sci. Min. Petr., Università di Torino, 2001
- responsabil granturi GAR 3124/1997, MCT 3023GR/97, 4028GR/98, 6045GR/2000 (1997-2001)
- Alexander von Humboldt Fellowship (1992-1994)

### Distincții, premii

- 2016, premiul CNCSIS
- 2009, premiul CNCSIS semestrul I/2009
- 2002, premiul *Ludovic Mrazec* al Academiei Române
- 1999, distincția *summa cum laude* pentru teza de doctorat

### Conferințe de invitat :

- May 16-19, 2015, Eclogites in basement complexes of Romania: context and mineral peculiarities. Invited Plenary Lecture, 6<sup>th</sup> Mineral Sciences in the Carpathians Conference, MSSC Veszprém, University of Pannonia
- 9.12.2006, High-pressure sutures sandwiched in medium-pressure metamorphic suites : a case for deep-seated syn- to late-collisional imbrication of plate margins, Feier zu Ehren von Horst-Peter Hann anlässlich seines 65. Geburtstag, Hörsaal für Geologie der Universität Tübingen, Institut für Geowissenschaften, Sigwartstraße 10;
- 03.2004, What is CCZN-Armalcolite: A crystal-chemical discussion and an educated guess Universität Wien, Fakultät für Geowissenschaften, Geographie und Astronomie;
- 12.10.1998, The Lotru Metamorphic Suite in the South Carpathians, Romania: a medium pressure metamorphic belt undergoing repeated tectonical emplacements of eclogites : Internationales Begegnungszentrum, Uni-Stuttgart;
- 19.09.1997, Thermobaric history of an anisofacial high-pressure melange in the Leaota Massif, South Carpathians - indication of forced convection along a fossil subduction zone: Internationales Begegnungszentrum, Uni-Stuttgart.

### Convocare de simpozioane internaționale :

- High-Pressure Metamorphism in Southeastern Europe, Sesiunea V25/V13A (conveners: G. Săbău, H.-J. Massonne, president: H.-J. Massonne), Secțiunea V Volcanology, Geochemistry, and Petrology, AGU Fall Meeting 2007

## Curriculum Vitae

Gavril Săbău

### Publicații

#### A. Capitole în cărți:

- Săbău G., Urcan T. (1992) Gismondine in magnesian skarns at Țibleș (East Carpathians). *în Matei L. (ed.) - A V-a conferință națională a grupului român pentru studiul argilelor, vol. spec., 30-38, Ed. Univ. București, 214 pp.*
- Constantinescu E., Săbău G. (1999) The crystallographic, optic and chemical-structural features of adularia from Alpine veins of Romania: a contribution to the "adularia problem". *în: Anastasiu N., Ilinca Gh. (ed.): Emil Constantinescu - Mineralogy in the system of the Earth sciences-Scientific Works, Imperial College Press, ISBN 1-86094-221-0, 388 pp., 29-35*
- Constantinescu E., Săbău G. (1999) Mineralogy of the Alpine veins from the Romanian Carpathians. *în: Anastasiu N., Ilinca Gh. (ed.): Emil Constantinescu - Mineralogy in the system of the Earth sciences-Scientific Works, Imperial College Press, ISBN 1-86094-221-0, 388 pp., 139-145*
- Săbău G., Negulescu E. (2009) Seismic consequences of mineral phase transitions, *En: Beșuțiu L. (ed.) INDEGEN - Integrated research on the intermediate depth earthquake genesis within Vrancea Zone, Ed. Vergiliu, 184-198*
- Beșuțiu L., Zlăgănean L., Mitrofan H., Săbău G., Radulian M., Rus T., Ielenicz M. (2009) An introductory to the INDEGEN project, *In: Beșuțiu L. (ed.) INDEGEN - Integrated research on the intermediate depth earthquake genesis within Vrancea Zone, Ed. Vergiliu, 9-28*
- Săbău G. (2009) Ti-Nb-REE assemblages in the monazite veins at Jolotca, Ditrău alkaline massif. *En: Anastasiu N., Dului O. (eds.) Mineralogy and Geodiversity - Tributes to the career of Professor Emil Constantinescu, 143-153, Editura Academiei Române - Editura Universității din București, ISBN: 978-973-27-1867-4*
- Negulescu E., Săbău G. (2015) Fluid-mediated alteration of eclogite lenses in subduction complexes: a case from the Leaota Massif (South Carpathians) *In: The Role of Volatiles in the Genesis, Evolution and Eruption of Arc Magmas, Zellmer G.F., Edmonds M. & Straub, S.M. (eds.), Geological Society, London, Special Publications 410, 19-58, doi: 10.1144/SP410.10.*

#### B. Lucrări în publicații cotate ISI/Thompson:

- Săbău G., Bindea G., Hann H. P., Ricman C., Pană D. I. (1987) The metamorphic evolution of the low-pressure terrain in the Central South Carpathians (Getic Nappe). *Geologica Carpathica 38/6, ISSN 1335-0552, 735-754.*
- Săbău G. (2000) A possible UHP-eclogite in the Leaota Mts. (South Carpathians) and its history from high-pressure melting to retrograde inclusion in a subduction melange. *Lithos 52, ISSN 0024-4937, 253-276, [http://dx.doi.org/10.1016/S0024-4937\(99\)00094-8](http://dx.doi.org/10.1016/S0024-4937(99)00094-8)*
- Săbău G., Alberico A., Negulescu E. (2002) Peraluminous sapphirine in retrogressed kyanite-bearing eclogites from the South Carpathians: status and implications *Int. Geol. Rev., Vol. 44, p. 859-876, ISSN 0020-6814, Bellwether Publ., Columbia, MD, DOI:10.2747/0020-6814.44.9.859*
- Săbău G., Massonne H.-J. (2003) Relationships among eclogite bodies and host rocks in the Lotru Metamorphic Suite (South Carpathians, Romania): petrologic evidence for polystadial tectonic emplacement of eclogites in a medium pressure terrain *Int. Geol. Rev., Vol. 45, p. 225-262, ISSN 0020-6814, Bellwether Publ., Columbia, MD, DOI:10.2747/0020-6814.45.3.225*
- Săbău G., Negulescu E., Massonne H.-J. (2006) Chemical zonation and relative timing of growth sections in garnets from eclogites of the Leaota Massif, South Carpathians. *Mineralogical*

## Curriculum Vitae

Gavril Săbău

*Magazine* 70(6), , 637–648, DOI: <http://dx.doi.org/10.1180/0026461067060357>, ISSN 0026-461X

- Negulescu E., Săbău G., Massonne H.-J. (2009) Chloritoid-Bearing Mineral Assemblages in High-Pressure Metapelites from the Bughea Complex, Leaota Massif (South Carpathians). *Journal of Petrology* 50, No. 1, 103-125, doi:10.1093/petrology/egn075
- Săbău G. (2012) Chemical U-Th-Pb geochronology: a precise explicit approximation of the age equation and associated errors, *Geochronometria* 39/3, 167-179, doi: 10.2478/s13386-012-0007-3
- Zagorchev I., Balica C., Balintoni I., Kozhoukharova E., Săbău G., Dimitrescu R., Negulescu E. (2012) Isotopic Data on the Age of the Krupnik Granite Pluton and its Host Rocks, Kresna Horst, Krupnik Mountain, SW Bulgaria, *CR Acad Bulg Sci* 65/ 7, 977-984
- Ducea M.N., Negulescu E., Profeta L., Săbău G., Jianu D., Petrescu L. Hoffman D. (2016) Evolution of the Sibișel Shear Zone (South Carpathians): A study of its type locality near Rășinari (Romania) and tectonic implications. *Tectonics*, 35(9), 2131-2157
- Negulescu E., Săbău G., Massonne H.-J. (2018) Growth of chloritoid and garnet along a nearly isothermal burial path to 70 km depth: an example from the Bughea Metamorphic Complex, Leaota Massif, South Carpathians. *Mineralogy and Petrology* 112/4, 535-553 <https://doi.org/10.1007/s00710-017-0552-9>
- Reiser, M.K., Săbău, G., Negulescu, E., Schuster, R., Tropper, P., Fügenschuh, B. (2018) Post-Variscan metamorphism in the Apuseni and Rodna Mountains (Romania): evidence from Sm-Nd garnet and U-Th-Pb monazite dating. *Swiss J. Geosci.*, Online first, <https://doi.org/10.1007/s00015-018-0322-7>
- Săbău, G., Pantia, A. I., Filiuță, A. E., Dincă, G., & Ion, A. (2024). Extensive corundum-forming breakdown of kyanite in quartz veins emplaced during the retrograde evolution of eclogites, Căpățâni Mts., South Carpathians. *Review of the Bulgarian Geological Society*, 85(2), 112-115
- Săbău, G., Dincă, G., & Filiuță, A. E. (2024). Gersdorffite types in the depositional sequence of the five-element ores in the Bihor metallogenic district, Apuseni Mountains: their compositional array and Raman identification of the gersdorffite polymorphs. *Review of the Bulgarian Geological Society*, 85(2), 116-119
- Săbău, G., Dincă, G., & Filiuță, A. E. (2025) Assemblages and relationships of Hg-dominant selenium fahlore from Předbořice, south Bohemia, and Raman response to its As-Sb substitution. *Review of the Bulgarian Geological Society*, 86(2):89-95
- Ion, A.-M., Cosac A., Săbău, G. (2025). Spatial distribution of  $^{238}\text{U}$ ,  $^{232}\text{Th}$ ,  $^{40}\text{K}$  and radiological risk assessment in stream sediments of Olteț River, Romania. *Review of the Bulgarian Geological Society*, 86(3):218-223

### B. Abstracte în publicații cotate ISI/indexate în baze de date:

- Săbău G. (1995) Ultra-high pressure eclogites in the South Carpathians, Romania. *Terra Abstracts, Abs suppl. No. 1 Terra nova, vol. 7, 315-316*
- Belluso E., Castelli D., Ferraris G., Săbău G. (1998) TEM identification of microinclusions in pyrope from the Foltea garnet-peridotite (South Carpathians). *Plinius, Suppl. it. Eur. J. Mineral.* 20, 43-44
- Săbău G., Massonne H.-J. (2007) Setting and Paleozoic age of the HP-complexes in the South Carpathians, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract V13A-1140

## Curriculum Vitae

Gavril Săbău

- Negulescu. E, Săbău G., Massonne H.-J. (2007) The Origin and Significance of Eclogite and Metagabbro-norite Knockers from the Bughea Complex, South Carpathians, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract V13A-1141
- Săbău G., Negulescu E. (2012) Chemical U-Th-total Pb ages in recycled metamorphic terranes: the case of the South Carpathian basement units, *Mineralogical Magazine* 76/6, 2310
- Negulescu E., Săbău G. (2012) Chemical zoning of eclogite lenses in subduction complexes: an example from the Leaota Massif, South Carpathians, *Mineralogical Magazine* 76/6, 2161
- Săbău G., Negulescu E., Theye T. (2013) Monazite anamnesis – providing a quantitative timeframe for metamorphic petrogenetic processes. *Mineralogical Magazine* 77/5, 2110  
DOI:10.1180/minmag.2013.077.5.19.2110

### C. Publicații în periodice necotate ISI:

- Constantinescu E., Săbău G. (1983) Caractères cristallographiques, optiques et chimiques - structuraux de l'adulaire cantonné dans les filons alpins de Roumanie: contributions au problème de l'adulaire. *An. Inst. Geol. Geofiz. București LXII*, ISSN 1453-357X, 9-18
- Constantinescu E., Săbău G. (1984) Mineralogy of the alpine veins in the Romanian Carpathians. *An. Inst. Geol. Geofiz. București LXIV*, ISSN 1453-357X, 33-43
- Săbău G., Tatu M., Găbudeanu D. (1986) New data regarding the Leaota Mts. eclogites. *D. S. Inst. Geol. Geofiz. București 70-71/1*, ISSN 0378-0589, 325-337
- Tatu M., Săbău G. (1987) The Albești Granite: Petrological considerations. *D. S. Inst. Geol. Geofiz. București 72-73/1*, ISSN 0378-0589, 275-286
- Iancu V., Balintoni I., Săbău G. (1988) Variscan tectonic units in the Getic Domain, Bozovici zone. *D.S. Inst. Geol. Geofiz. București 72-73/5*, ISSN 0378-0589, 145-152
- Hann H. P., Ricman C., Pană D. I., Săbău G., Bindea G., Tatu M. (1988) Structural and petrographic study of the Getic Nappe metamorphics in the Căpățîna Mountains (South Carpathians). *D.S. Inst. Geol. Geofiz. București 72-73/5*, ISSN 0378-0589, 131-143
- Hârtoapanu I., Conovici M., Stelea I., Săbău G. (1989) Chloritoid - bearing blastomylonites in the Cibin Mountains: Genetical and structural significances. *D.S. Inst. Geol. Geofiz București 74/1*, ISSN 0378-0589, 209-222
- Săbău G., Apostoloiu A., Urcan T. (1989) Mineral assemblages within the lithian pegmatites at Coțu, Lotru Mts. (Central South Carpathians) and their genetical bearings. *D.S. Inst. Geol. Geofiz București 74/1*, ISSN 0378-0589, 251-262
- Udubașa G., Ilinca Gh., Marincea Ș., Săbău G., Rădan S. (1992) Minerals of Romania: the state of the art 1991. *Romanian Journal of Mineralogy* 75, ISSN 1220-5621, 1-51
- Conovici M., Săbău G. (1993) The structure and metamorphic history of the Getic Crystalline in the NW area of the Godeanu and Țarcu Mountains. *Romanian Journal of Tect. Reg. Geol.* 75, ISSN 1221-4663, 27-37
- Săbău G. (1994) Lithostratigraphic and metamorphic correlations: A possible way of exploring the early history of the Getic Crystalline. *Romanian Journal of Petrology* 76, ISSN 1220-563X, 119-128
- Săbău G. (1995) Consecințe ale tectonicii de pînză în partea superioară a Seriei de Lotru. *Romanian Journal of Mineral Deposits* 76, ISSN 1220-5648, 55-62
- Săbău G., Gheuca I. (1996) The lithostratigraphic and tectonic structure of the Lotru Series. *An. Inst. Geol. Rom.* 69/I, ISSN 1453-357X, 190-193
- Săbău G. (1998) The manganese-silicate rocks in the Lotru Metamorphic Suite: an example of mineral concentration driven by metamorphic processes. *An. Inst. Geol. Rom.* 70, ISSN 1453-357X, 162-167

## Curriculum Vitae

### Gavril Săbău

#### D. Hărți geologice:

- Berza T., Seghedi A., Pop Gr., Szász L., Hârtopan I., Săbău G., Moisescu V., Popescu Gh. (1986) Harta Geologică a României, scara 1:50000, foaia Lupeni, Impr. Inst. Geol. al Rom.
- Hârtopan I., Stan N., Iancu V., Năstăseanu S., Hârtopan P., Marinescu Fl., Dinică I., Bercia I., Bercia E., Tatu M., Săbău G. (1987) Harta Geologică a României, scara 1:50000, foaia Orșova, Impr. Inst. Geol. al Rom.
- Rusu A., Marinescu Fl., Mărunțeanu M., Săbău G., Ștefan A. (1996) Harta Geologică a României, scara 1:50000, foaia Zalău, Impr. Inst. Geol. al Rom.
- Rusu A., Dimitrescu R., Dimitrescu M., Ștefan A., Boștinescu S., Săbău G. (1999) Harta Geologică a României, scara 1:50000, foaia Călățele, Impr. Inst. Geol. al Rom.
- Hann H. P., Berza T., Pop Gr., Marinescu Fl., Ricman C., Pană D. I., Săbău G., Bindea G., Tatu M. (*machetă*, 1986) Harta Geologică a României, scara 1:50000, foaia Polovragi, Inst. Geol. al Rom.
- Conovici M., Bercia I., Berza T., Iancu V., Russo-Săndulescu D., Năstăseanu S., Săbău G., Strusiewicz R. O., Seghedi A., Negrea E., Tatu M. (*machetă*, 1988) Harta Geologică a României, scara 1:50000, foaia Godeanu, Inst. Geol. al Rom.
- Berza T., Pop Gr., Săbău G., Dobrescu A., Negrea E. (*machetă*, 1989) Harta Geologică a României, scara 1:50000, foaia Petroșani, Inst. Geol. al Rom.
- Năstăseanu S., Mărunțeanu M., Șerban E., Săbău G. (*machetă*, 1990) Harta Geologică a României, scara 1:50000, foaia Armeniș, Inst. Geol. al Rom. Armeniș

#### E. Lucrări apărute în volumele conferințelor:

- Săbău G. (1995) The Precambrian Lotru Series in the Alpine Getic Nappe: a case history for synmetamorphic thrusting of cold slices over a hot basement. *XV Congr. Carp. Balc. Assoc., Spec. Publ. Geol. Soc. Greece 4/1, 96-99*
- Săbău G. (1995) Evidence for eclogite emplacement via crust doubling in the Lotru Crystalline Series, South Carpathians. *Europrobe Workshops - PANCARDI, Stara Lesna 1995, Abstracts, 18-19*
- Săbău G., Castelli D., Ferraris G., Mărunțiu M. (1997) Unusual Al-armalcolite and apparently low-symmetry TiO<sub>2</sub> inclusions in pyrope from the Foltea garnet peridotite (South Carpathians); some preliminary data and petrological implications. *Romanian Journal of Mineralogy 78, ISSN 1220-5621, Suppl. 1, 4<sup>th</sup> National Min. Symp., Abstract volume, 87-88*
- Săbău G., Kasper H. U., Dinică I. (1997) Geochemical features of the Albești Granitoid in the Leaota Massif. *Romanian Journal of Mineralogy 78, ISSN 1220-5621, Suppl. 1, 4<sup>th</sup> National Min. Symp., Abstract volume, 89-90*
- Săbău G., Negulescu E. (1997) Exotic amphibole compositions in the Leaota Massif VHP-eclogites. *Romanian Journal of Mineralogy 78, ISSN 1220-5621, Suppl. 1, 4<sup>th</sup> National Min. Symp., Abstract volume, 90-91*
- Săbău G. (1998) Metamorphic features and geotectonic significance of the eclogite inclusions in the Lotru Metamorphic Suite (South Carpathians, Romania). *Carpathian-Balkan Geological Association, XVI Congress Abstracts, Geol. Surv. of Austria, 530*
- Negulescu E., Săbău G. (1998) Chromium-rich minerals in the eclogites from the South Făgăraș Mountains. *Carpathian-Balkan Geological Association, XVI Congress Abstracts, Geol. Surv. of Austria, 418*
- Săbău G., Massonne H.-J. (1998) The Lotru Metamorphic Suite in the South Carpathians, Romania: a medium pressure metamorphic terrain undergoing repeated tectonical emplacement of

## Curriculum Vitae

### Gavril Săbău

- Săbău G., Negulescu E. (2006) Metamorphic forming and evolution conditions of the eclogites in the Topolog Complex, Făgăraş Mountains. *Romanian Journal of Petrology* 78, ISSN 1220-563X, 39-46
- Săbău G., Alberico A. (2007) What is CCZN-armalcolite? A crystal-chemical discussion and an ad-hoc incursion in the crichtonite-minerals group. *St. Univ Babeş-Bolyai* 52(2), 55-66, <http://dx.doi.org/10.5038/1937-8602.52.2.7>
- Zagorchev I., Balica C., Balintoni I., Kozhoukharova E., Săbău G., Negulescu E. (2012) Palaeozoic Evolution of the Ograzhden Unit (Serbo-Macedonian Massif, Bulgaria and Macedonia), Втор Конгрес на Геолозите на Република Македонија, Зборник на Трудови, *Geologica Macedonica Suppl* 3, 13-18.
- Săbău G., Costea C. (2012) Green crusts on chromite ore from southern Banat revisited *Romanian Journal of Mineral Deposits* Vol. 85, No. 1, 90-93.
- Negulescu E., Săbău G. (2013) A reappraisal of the P-T evolution of high-pressure tectonic blocks from the Leaota Massif, South Carpathians. *Revue Roumanie de Géologie*, Tome 57, no. 1-2, 37-56.
- Săbău G., Berbeleac I., Negulescu E. (2013) The coloradoite occurrence of the Musariu (Metaliferi Mountains) tellurium and telluride vein mineralization and its position in the depositional sequence. *Revue Roumanie de Géologie*, Tome 57, no. 1-2, 57-65.
- Săbău G., Negulescu E. (2013) Microprobe U-Th-Pb<sub>T</sub> Dating of Monazite: Top-Down, Bottom-Up or au Rebours? *GSTF International Journal of Geological Sciences (JGES)*, Vol. 1 No. 1, 20-29, [http://dx.doi.org/10.5176/2335-6774\\_1.1.3](http://dx.doi.org/10.5176/2335-6774_1.1.3).
- Zagorchev I., Balica C., Bayanova T., Kozhoukharova E., Balintoni I., Mitrofanov F., Makarova E., Săbău G., Negulescu E. (2014) Precambrian metabasic relics in the Ograzhdenian supercomplex, Gorna Ribnitsa Village, Serbo-Macedonian massif, Southwest Bulgaria. *Buletini i Shkencave Gjeologjike, Special Issue Vol. 1/2014, Proc. XX Congress of Carpathian Balkan Geological Association (CBGA 2014)*, 24-26 September 2014, Tirana, Albania, 224-227, DOI: 10.13140/2.1.3377.8243.
- Negulescu E., Săbău G., Ducea M.N., Massonne H.-J. (2014) Sm-Nd garnet and U-Th-Pb<sub>T</sub> monazite ages in basement units of the South Carpathians: new data and a consistency check. *Buletini i Shkencave Gjeologjike, Special Issue Vol. 1/2014, Proc. XX Congress of Carpathian Balkan Geological Association (CBGA 2014)*, 24-26 September 2014, Tirana, Albania, 212-215, DOI: 10.13140/2.1.4584.3201.
- Săbău G., Negulescu E. (2014) A monazite U-Th-Pb<sub>T</sub> metamorphic ages survey in the South Carpathian basement units: delving into tectonic stacking and differential exhumation. *Buletini i Shkencave Gjeologjike, Special Issue Vol. 1/2014, Proc. XX Congress of Carpathian Balkan Geological Association (CBGA 2014)*, 24-26 September 2014, Tirana, Albania, 219-222, DOI: 10.13140/2.1.1831.8088.
- Zagorchev I., Balica C., Kozhoukharova E., Balintoni I., Săbău G., Negulescu E. (2015) Cadomian and post-cadomian tectonics west of the Rhodope Massif – the Frolosh Greenstone Belt and the Ograzhdenian Metamorphic Supercomplex. *Geologica Macedonica* 29/2, 101-132
- Zagorchev I., Săbău G., Balintoni I. (2015) In memoriam – Mircea Ioan Valentin Săndulescu (1933-2015), *Review of the Bulgarian Geological Society* 76/2-3, 173-174
- Săbău G., Cioacă ME, Munteanu M., Bîrgăoanu D., Ciobotea-Barbu O.C. (2016) A new occurrence of arsenian alburnite, its associated phases and erratum to a previous report. *Romanian Journal of Mineral Deposits*, 89, 93-98, ISSN 1220-5648

## Curriculum Vitae

### Gavril Săbău

- eclogites. *Int. Workshop on UHP-Metamorphism and Exhumation Abs., Dec 3-6, Stanford Univ., A-191-193*
- Săbău G. (1998) The high-grade eclogites in the Leaota Mts. (South Carpathians): from UHP/HP melting to retrograde involvement in a subduction melange. *Int. Workshop on UHP-Metamorphism and Exhumation Abs., Dec 3-6, Stanford Univ., A-189-190*
- Săbău G. (1998) The Delinești Level in the Lotru Metamorphic Suite of the Getic basement (South Carpathians): a metamorphic or metamorphosed Mn-enriched lithon? *Romanian Journal of Mineral Dep.* 78, ISSN 1220-5648, Suppl. 1, 88-92
- Szakács A., Săbău G. (1999) *Romanian Journal of Mineralogy* 80, ISSN 1220-5621, Suppl. 1, 5<sup>th</sup> National Min. Symp., Abstract volume, 90-91
- Săbău G., Russo-Săndulescu D. (1999) HP/LT assemblages in the Black-Flysch Nappe (East Carpathians, Romania): *Romanian Journal of Tect. Reg. Geol.* 77, Suppl. 1, Joint meeting of Tesz, Pancardi, GeoRift Tulcea, Abstract volume, 44-45
- Negulescu E., Săbău G. (1999) The Bughea Level (Leaota Massif, Romania): a subduction melange proven by LILE-enrichment in eclogites and their anisofacial matrix. *Analele Univ. București XLVIII*, ISSN 1013-4123, Suppl., Mineral., Petrol., Metall., Geoch. Int. Symp. Abs. Vol., 55-58
- Săbău G. (1999) Preliminary identification of "ferri-preiswerkite" ( $\text{NaMg}_2\text{Fe}^{3+}\text{Al}_2\text{Si}_2\text{O}_{10}(\text{OH})_2$ ), a new natural end-member in the trioctahedral Na-mica group. *Analele Univ. București XLVIII*, Suppl., Mineral., Petrol., Metall., Geoch. Int. Symp. Abs. Vol., 97-99
- Săbău G. (1999) Eclogites in metamorphic complexes: three case histories in the South Carpathians: *Acta Montanistica Slovaca* 4/2, Field Meeting Abs. Vol., 212-215
- Săbău G., Iancu V. (1999) Apparently monometamorphic rocks in a polymetamorphic pile: probable discontinuity markers. *Acta Montanistica Slovaca* 4/2, Field Meeting Abs. Vol., 215-216
- Săbău G. (2000) Foreign eclogites in gneissic terrains: a case study in the South Carpathians: *31st IGC Rio de Janeiro, Abs. Dsk.*
- Săbău G., Castelli D., Mărunțiu M., Alberico A. (2001) The Foltea garnet lherzolite in the South Carpathians: a cooled spinel lherzolite or a heated garnet one? *Int. Eclog. Conf., Sept. 2001, Niijima, Japon*
- Săbău G., Alberico A. (2001) Peraluminous sapphirine in retrogressed kyanite-bearing eclogites from the South Carpathians: status and implications *Int. Workshop on UHP-Metamorphism and Exhumation, Sept 2001, Waseda Univ., Japon*
- Săbău G. (2002) What is CCZN-armalcolite? – a crystal-chemical discussion and a prediction. *Simp. Soc. Géol. Roum., 24-25 mai 2002*
- Alberico A., Ferraris G., Ivaldi G., Săbău G. (2003) Geikielite as microinclusion in Foltea (South Carpathians) pyropes, EMU Conference Budapest, Abstract Dsk.
- Săbău G., Alberico A. (2003) A New Loveringite Occurrence: Oriented Rods In Garnet From The Foltea Lherzolite, South Carpathians, *Acta Mineralogica-Petrographica, Abstract Series 1, Szeged, 92*
- Stănoiu I., Săbău G. (2006) The particular geodynamic setting of the Carpathian orogen: a discussion *Dans : Sudar M., Ercegovac M., Grubić A., Éditeurs, Proc. XVIII Congress of the Carpato-Balkan Geological Association, Sept. 3-6, Belgrade, 582-583*
- Stănoiu I., Săbău G., Gheuca I. (2006) Cainozoic fold systems and tectonic lines in the western South Carpathians *Dans : Sudar M., Ercegovac M., Grubić A., Éditeurs, Proc. XVIII Congress of the Carpato-Balkan Geological Association, Sept. 3-6, Belgrade, 584-587*
- Stănoiu I., Neagu T., Gheuca I., Săbău G. (2006) Paleontologic, stratigraphic and tectonic evidence in support of a sub-hercynian tectogenesis in the South Carpathians. *Dans : Sudar M.,*

## Curriculum Vitae

Gavril Săbău

- Negulescu E., Săbău G. (2012) Chromium-rich lawsonite in high-Cr eclogites from the Făgăras Massif (South Carpathians) CONTROL ID: 1487786, AGU Fall Meeting 2012.
- Săbău G., Negulescu E. (2012) U-Th-Pb<sub>T</sub> Monazite Geochronology in the South Carpathian Basement: Variscan Syn-Metamorphic Tectonic Stacking and Long-Lasting Post-Peak Decompressional Overprints CONTROL ID: 1485915, AGU Fall Meeting 2012.
- Săbău G., Negulescu E. (2012) Microprobe U-Th-Pb<sub>T</sub> Dating of Monazite: Top-Down, Bottom-Up or au Rebours? - Approaches, Prospects and Limitations; GEOS 2012, Conference Proceedings, Paper 41, DOI: 10.5176/2251-3361\_GEOS12.41.
- Negulescu E., Săbău G., Massonne H.-J. (2014) Growth and demise of chloritoid along a metamorphic P-T path: an example from the South Carpathians. Goldschmidt Conference, Sacramento, 8-13 June.
- Săbău G., Negulescu E. (2014) Peritectic metasomatism and apatitic line of descent in the endocontact zone of the Măgureaua Vaței (MV) intrusives (Apuseni Mts.). Goldschmidt Conference, Sacramento, 8-13 June.
- Săbău G., Negulescu E. (2014) Inheritance, Variscan tectonometamorphic evolution and Permian to Mesozoic rejuvenations in the metamorphic basement complexes of the Romanian Carpathians revealed by monazite microprobe geochronology. Geophysical Research Abstracts, Vol. 16, EGU2014-4324-2, 2014, DOI: 10.13140/2.1.5180.0643.
- Negulescu E., Săbău G., Massonne H.-J. (2014) Protoliths of the high-pressure tectonic blocks from the South Carpathians basement units. Geophysical Research Abstracts Vol. 16, EGU2014-4454, 2014, DOI: 10.13140/2.1.2182.8169.
- Săbău G., Berbelec I., Negulescu E., Costin G. (2014) Uncommon telluride compositions from Musariu, Apuseni Mts., Romania. 21st General Meeting of the International Mineralogical Association (IMA 2014), 1-5 September 2014, Sandton, Johannesburg, South Africa, DOI: 10.13140/2.1.4917.9205.
- Costin G., Negulescu E., Săbău G., Luffi P., Ménot R.-P. (2014) Cr-Mg-staurolite: highest Cr<sub>2</sub>O<sub>3</sub> content in staurolite to date; example from quartz-free eclogites from Iezer Mts., South Carpathians, Romania. 21st General Meeting of the International Mineralogical Association (IMA 2014), 1-5 September 2014, Sandton, Johannesburg, South Africa, DOI: 10.13140/2.1.4131.4888.
- Zagorchev I., Balica C., Kozhoukharova E., Balintoni I., Săbău G., Negulescu E. (2014) Palaeogene igneous evolution of the Rhodopes, Bulgarian Geological Society, National Conference with international participation Geosciences 2014, Short Communications 35-36
- Negulescu E., Săbău G., Massonne H.-J. (2015) Polymetamorphic evolution of the upper part of the Iezer Complex (Leaota Massif, South Carpathians) constrained by petrological data and monazite ages. Geophysical Research Abstracts Vol. 17, EGU2015-6663.
- Săbău G., Negulescu E. (2015) Monazite chemical age and composition correlations, an insight in the Palaeozoic evolution of the Leaota Massif, South Carpathians. Geophysical Research Abstracts, Vol. 17, EGU2015-12781.
- Săbău G., Negulescu E. (2015) Eclogites in basement complexes of Romania: context and mineral peculiarities. Invited Plenary Lecture, 6<sup>th</sup> Mineral Sciences in the Carpathians Conference, MSSC Veszprém, May 16-19, 2015.
- Săbău G., Negulescu E. (2015) Late Stage HFSE-Enrichment in the Ditrău Alkaline Complex, East Carpathians. Goldschmidt Conference, Prague, August 16-21
- Săbău G. (2015) HFSE and REE vein mineralization associated to the Ditrău Alkaline Massif. 32 International Conference on Alkaline Magmatism of the Earth and Related Strategic Metal Deposits, Apatity, August 2015.

## Curriculum Vitae

Gavril Săbău

- Săbău G. (2015) Co,Ni - Bearing Assemblages in The Metamorphosed Mn Ore from Iacobeni, Sub-Bucovinian Nappe System, East Carpathians. *Mircea Savul Symposium, Iași, October 2015.*
- Săbău G., Cioacă M. E., Munteanu M. (2015) Sulfotellurides from the Măgura Epithermal Veins, Metaliferi Mts. – Preliminary Data. *Mircea Savul Symposium, Iași, October 2015.*
- Săbău G., Negulescu E. (2016) Metamorphic Ages in Basement Units of Romania – A Sectional Revision for Pre-Alpine Tectonic Interpretations *May 2016, AAPG European Regional Conference and Exhibition Bucharest*
- Negulescu E., Săbău G. (2016) Zoning Patterns in Metamorphic Garnets, Leaota Massif, South Carpathians, Romania *In: Errami E. & Seghedi A. (Eds.), Building bridges between Earth Scientists worldwide: a way for promoting peace and strenghtening integration, 8th CAAWG Conference, 1-7 October 2016, Sibiu, GeoEcoMar, 97-99*
- Stremțan C. C., Săbău G., Negulescu E., Chew D. (2017) Imaging Trace-Element Distribution in Zoned Crystals – An Application to Metamorphic Garnet Porphyroblasts. *Goldschmidt 2017, Paris, Abstract 3800*
- Reiser, M.K., Schuster, R., Săbău, G., E., Tropper, P., Fügenschuh, B. (2017) Timing and conditions of Alpine peak metamorphism in the Tisza and Dacia Mega-Units, Apuseni Mountains, Romania *CETEG 2017-15<sup>th</sup> Meeting of the Central European Tectonic Studies Groups, Zánka-Hungary, Volume: 32*
- Stremtan C., Bussweiler Y., Borovinskaya O., Săbău G. (2017) High-Resolution, High-Speed, Multi-Element Imaging of Garnet using LA-ICP-TOFMS – A Direct Comparison to Conventional EPMA Imaging. *North American Workshop on Laser Ablation, Austin, TX, USA*
- Reiser, M.K., Săbău, G., E., Schuster, R., Tropper, P., Fügenschuh, B. (2017) Early Cretaceous metamorphism in the Tisza and Dacia mega units following the obduction of the South Transylvanian Ophiolites: new results from U-Th-Pb monazite and Sm-Nd garnet dating in the Apuseni Mountains (Romania). *Émile Argand Conference -13<sup>th</sup> Workshop on Alpine Geological Studies, Zlatibor, Serbia*
- Reiser, M.K., Săbău, G., E., Schuster, R., Tropper, P., Negulescu, Fügenschuh, B. (2018) Alpine, Permian and Variscan metamorphism in the Tisza and Dacia mega-units: Sm-Nd garnet and U-Th-Pb monazite dating in the Apuseni and Rodna Mountains (Romania), *CBGA Abstracts 2018*
- Stremtan C., Van Malderen S.J.M., Săbău G. (2018) Ultra-Fast, High Resolution 3D LA ICP-MS Imaging of Zircons. *Goldschmidt Abstracts, Boston 2018, 2430*