

*"The passions are the only orators that always persuade"*  
Francois de La Rochefoucauld



*IN MEMORIAM*

**DR. EMIL AVRAM\***  
**(24.06.1937 – 16.08.2023)**

---

The month of August 2023 brought sad news to the Romanian geological community, the passing of the research geologist Dr. **Emil Avram**, a member of the Geology-Geography Institute of the Romanian Academy and the Geological Institute of Romania, for 35 years. He was devoted for a long period of time mainly on paleontological studies, starting with the bachelor's thesis on fossil traces from Vrancea, presented in 1961 at the University of Bucharest. Following that year, as a co-author, he published the first paleontological monograph on vertebrate traces from the Miocene of the Romanian Subcarpathians, which became a classic and indispensable work for paleoichnological research all over the world.

---

DOI: 10.5281/zenodo.14229041

He saw the light of day on June 24, 1937, in Bucharest. After graduating the high school, he attended the Secondary Technical School of Geology (1951-1955), a veritable nursery for future university specialists and researchers in the field of geology. Between 1956-1961 he was a student at the Faculty of Geology-Geography of the University of Bucharest. After graduating from these geological education units, he carried out his professional activity as a geological technician at the quarry enterprise „Gh. Dimitrov” from Braşov (1955-1956), geologist at the Enterprise of Prospecting and Laboratories (currently „Prospectiuni SA”) from Bucharest (1961-1965) and trainee and principal researcher (from 1967) at the Institute of Geology-Geography of the Romanian Academy (1965-1970). A particularly fertile period of time for paleontological research and not only, was between 1970 and 1999, where he occupied, at the Geological Institute of Romania (IGR), the Researcher positions (since 1988), Principal Researcher

III (since 1990), Principal Researcher II (from 1995) and Principal Researcher I (since 1999). He collaborated for the compilation of an appreciable number of geological reports, and between 1988-1990 he was the Scientific Secretary of the IGR. Access to specialized foreign literature was facilitated by his knowledge of English, French and Russian. After his retirement (January 1, 2000) and despite some health problems, he continued his scientific activity by publishing paleontology/biostratigraphy works of the Lower Cretaceous formations in Romania based on ammonites, as well as presenting communications on the same topic at national paleontology symposia. In 1974, he obtained his PhD in geological sciences, and in 1988, the laureate of the Grigore Cobălcescu award of the Romanian Academy. He was one of the ten founding members of the Romanian Society of Paleontologists SPR (1994), being the president in the 1997-2000 mandate. In 2021, he receives the Diploma of Excellence and the title of Honorary Member of the SPR. Being a recognized specialist abroad, he had sustained international activity: IUGS member of the International Subcommittee on Jurassic Stratigraphy (1983-1995), IUGS member of the

---

\* Our entire gratitude to Mrs. Maria Avram (wife) and Sanda Girboviceanu (daughter) for the photograph, the original material, and the online correspondence regarding the activity of Dr. Emil Avram. Thanks to my colleague Dr. Andrei Briceag for translating the article into English.

International Subcommittee on Cretaceous Stratigraphy (1990-1999), national responsible for Project (IGCP) no 62 : „Tethyan Cretaceous Correlation“ and collaborator in the working group for the study of eocretaceous cephalopods (1987-1992), collaborator in projects (IGCP) no. 343 „Stratigraphic correlation in peri-Tethys epicratonic basins“ and no. 362: „Tethyan and Boreal Cretaceous Correlation“ (1993-1998), collaborator in the creation of the Fieldtrip guides for the excursions C2 - Contact area between the Eastern Carpathians and the Southern Carpathians, and D5 - Dobrogea (1996) and co-author of the excursion guide for the EUROPROBE international symposium — the TESZ, PANCARDI and GeoRIFT projects (1999). Dr. Emil Avram's contribution to the Romanian geology progress relates mainly to the field of paleontology, especially to Cretaceous cephalopods, but also to regional geology and tectonics, totaling 90 papers, to which are added a number of four published geological maps 1: 50.000, two in print and four in the layout stage (see list). In paleontology, most works are focused exclusively on the paleontology/biostratigraphy of late Jurassic and Cretaceous ammonoids. The studied cephalopods (ammonites, aptychi and belemnites) contributed to taxonomic clarifications, but also for dating the age of the host deposits, data which quickly entered the international circuit, being published in Austria, Denmark, Switzerland, France, Germany, Italy, Holland, Portugal, Spain, and United States. Some of these works served (*i.e.*, Hoedemaeker, *et al.*, 1993) for the zonation based on ammonites in the Mediterranean region, much improved compared to the previous ones and used worldwide. Among the fossils published by Dr. Avram, there are 6 new genera (*Richterella*, Avram 1974; *Simionescites*, Avram 1976; *Haplobrancoceras*, Avram 1990; *Patruliusiceras*, Avram 1990; *Sabbaiceras*, Avram & Grădinaru 1993; *Barremites*, Avram 1997) and 31 new species and subspecies. A genus of ammonite (*Avramidiscus*, Vermeulen 1995) and several species of ammonites, gastropods, etc., wear his name, in international recognition of his contributions to paleontology. Regional stratigraphy works,

mostly including biostratigraphy data based on ammonites or integrated biostratigraphy, are focused on the north and south of the Apuseni Mountains, the Svinița-Banat region, the Dâmbovicioara Corridor, the Eastern Carpathian flysch, South Dobrogea and the eastern part of the Moesian Platform under the Romanian Plain, as well as on the Jurassic-Cretaceous boundary formations throughout the country. Finally, the tectonic works or those with implications in the tectonic evolution in some areas of Romania, refer to the Cretaceous flysch of the Eastern Carpathians, to the south of the Apuseni Mountains and to the tectonic contact between Central and Southern Dobrogea. The regional stratigraphic and tectonic data introduced by Dr. Avram have been included in several Fieldtrip guides for the scientific meetings of the projects IGCP 245 „Nonmarine Cretaceous Correlation“, IGCP 262 „Tethyan Cretaceous Correlation“ and IGCP 343 „Stratigraphic correlation in peri-Tethyan epicratonic basins“ (1993), etc. In the framework of the Geological Institute of Romania, Dr. Avram started to restore and standardize the documentation for the geological/paleontological protection objectives in the records of the Commission for the Nature Monuments Protection of the Romanian Academy, as well as the creation of a geo-eco-tourism map of Romania (current action at IGR).

According to a memorandum of activity prepared by the author before passing into eternity, a number of 29 works were considered significant: nine paleontological monographs (1, 12, 28, 37, 39, 45, 49, 63, 68)\*\*, five regional monographs (16, 22, 35, 41, 47), two paleontological syntheses (33, 34), three zonation based on ammonites of the Lower Cretaceous (25, 43, 48), two integrated biostratigraphy ammonites-calpionelles-dinoflagellates (17, 23) and eight Fieldtrip guides for the Carpathians and Dobrogea (42, 43, 59, 60, 72, 86, 87, 88).

The researcher Dr. Emil Avram, with his prodigious scientific activity, remains an example worth following for the young generation of Romanian geologists. May his charming smile always accompany the memory of those who knew and appreciated him.

**Dr. Titus Brustur**  
GeoEcoMar București

## LIST OF PUBLISHED WORKS

- PANIN N., AVRAM E. (1962). Noi urme de vertebrate în miocenul Subcarpaților românești. Acad. RPR, *Stud. Cerc. Geol.*, VII(3-4): 455-484.
- AVRAM E., MATEI V. (1964). Date paleontologice noi privind fișul cretacic din partea de NE a bazinului văii Doftana. Acad. RPR, *Stud. Cerc. Geol.-Geofiz.-Geogr.*, (Geol.), 9(2): 321-327.
- MURGEANU G., ȘTEFĂNESCU M., AVRAM E., MATEI V., ȘTEFĂNESCU M., BUTNĂREANU C. (1964). *Natura ivirilor de șisturi cristaline din regiunea Zamura-Prislop*. Acad. RPR, *Stud. Cerc. Geol.-Geofiz.-Geogr.*, (Geol.), 9(2): 513-518.
- MURGEANU G., ȘTEFĂNESCU M., AVRAM E., MATEI V., ȘTEFĂNESCU M., BUTNĂREANU C. (1965). La nature des apparitions de schistes cristallins de la région Zamura-Prislop (Carpatés Orientales). Acad. RPR, *Rev. Géol.-Géophys.-Géogr. (serie Géol.)*, 9(1): 3-8.

\*\* The numbers in brackets correspond to the works listed in the attached list

5. ȘTEFĂNESCU M., AVRAM E., ȘTEFĂNESCU MARINA (1965). Contribuții la cunoașterea faunelor fosile din flîșul cretacic dintre valea Teleajenului și valea Ialomiței. Acad. R.S. România, *Stud. Cerc. Geol.-Geofiz.-Geogr., (Geol.)*, **10**(2): 347-354.
6. AVRAM E. (1967). Considerații paleontologice asupra cretacicului superior de la Stoenеști-Cotenești (valea Dimboviței). Acad. R.S. România, *Stud. Cerc. Geol.-Geofiz.-Geogr., (Geol.)*, **12**(1): 237-242.
7. AVRAM E. (1970). Precizări asupra vârstei depozitelor eocretacee din bazinul superior al văii Tîrlungului. Acad. R.S. România, *Stud. Cerc. Geol.-Geofiz.-Geogr., (Geol.)*, **15**(1): 165-174.
8. PATRULIUS D., AVRAM E., MATEI V. (1970). Notă asupra unei faune a tithonicului inferior (zona Contiguus) din Carpații Orientali (valea Doftanei). Acad. R.S. România, *Stud. Cerc. Geol.-Geofiz.-Geogr., (Geol.)*, **15**(1): 135-148.
9. AVRAM E. (1972). Considerații asupra vârstei „complexului de marne și gresii calcaroase (strate de Pîrîul Mogoșului)” la obîrșia văii Doftanei și a văii Tîrlungului. Acad. R.S. România, *Stud. Cerc. Geol.-Geofiz.-Geogr., (Geol.)*, **17**(2): 259-269.
10. BOLDOR C., AVRAM E. (1972). Asupra prezenței Albianului în zona Svinița (Banat). *D. S. Inst. Geol., LVIII*(4) (1971): 73-81.
11. AVRAM E. (1974). Egoianiceras nouveau sous-genre du genre Colombiceras Spath 1923 (Ammonitina). *D. S. Inst. Geol., LX*(3) (1972-1973): 3-10.
12. AVRAM E. (1974). La position et valeur taxonomique du groupe „Berriasella” Richteri (Opper). *D. S. Inst. Geol., LX*(3) (1972-1973): 11-22.
13. AVRAM E. (1976). La succession des dépôts tithoniques supérieurs et crétacés inférieurs de la région de Svinița (Banat). *D. S. Inst. Geol. Geof., LXII*(4) (1974-1975): 53-71.
14. AVRAM E. (1976). Les fossiles du flysch éocretacé et des calcaires tithoniques des hautes vallées de la Doftana et du Tîrlung (Carpates Orientales). *Mém. Inst. Geol. Geof., XXIV*: 5-73.
15. AVRAM E. (1976). Nouvelles ammonites hétéromorphes bédouliennes du Couloir de la Dimbovicioara. *Mém. Inst. Geol. Geof., XXIV*: 75-82.
16. PATRULIUS D., AVRAM E. (1976). Stratigraphie et corrélation des terrains néocomiens et barrémo-bédouliens du Couloir de Dimbovicioara (Carpates Orientales). *D. S. Inst. Geol. Geof., LXII*(4) (1974-1975): 135-160.
17. PATRULIUS D., AVRAM E. (1976). Les céphalopodes des couches de Carhaga (Tithonique supérieur-Barrémien inférieur). *Mem. Inst. Geol. Geof., XXIV*: 153-201.
18. PATRULIUS D., NEAGU TH., AVRAM E., POP GR. (1976). The Jurassic-Cretaceous Boundary Beds in Romania. *An. Inst. Geol. Geof., L*: 71-125.
19. ȘTEFĂNESCU M., POPESCU ILEANA, AVRAM E. (1977). Vîrsta depozitelor sedimentare din bazinul superior al văii Cormoș (partea sud-vestică a munților Harghita). *D. S. Inst. Geol. Geof., LXIII*(4) (1976): 25-30.
20. AVRAM E. (1978). Une nouvelle espèce de céphalopode dans la Barrémien supérieur de la Roumanie: Costidiscus tardus n. sp. *D. S. Inst. Geol. Geof., LXIV*(3) (1976-1977): 5-8.
21. AVRAM E. (1978). Observations sur les espèces d’ammonites de la région de Svinița (Banat) décrites par Tietze (1872) et Uhlig (1883). *D. S. Inst. Geol. Geof., LXIV*(3) (1976-1977): 9-25.
22. BORDEA S., AVRAM E., BORDEA JOSEFINA (1978). O faună hauteriviană remaniată în depozitele senoniene de pe valea Mică (Munții Metaliferi). *D. S. Inst. Geol. Geof., LXIV*(4) (1976-1977): 79-88.
23. AVRAM E. (1979). Stratigrafia regiunii pasului Predeluș. *An. Inst. Geol. Geof., LIV*: 5-152 (Teza de doctorat, 1974, Inst. Petrol, Gaze și Geologie, București).
24. ANTONESCU E., AVRAM E. (1980). Corrélation des dinoflagellés avec les zones d’ammonites et de calpionelles du Crétacé inférieur de Svinița-Banat. *An. Inst. Geol. Geof., LVI*: 97-132.
25. PATRULIUS D., BORDEA S., AVRAM E. (1981). La Brèche de Gugu – un exemple de contrôle tectonique de la sédimentation sur une plate-forme carbonatée barrémo-bedoulienne (Pădurea Craiului, Monts Apuseni). *D. S. Inst. Geol. Geof., LXVI*(4) (1979): 109-117.
26. AVRAM E. (1983). Barremian ammonite zonation in the Carpathian area. München, *Zitteliana*, **10**: 509-514.
27. AVRAM E. (1984). Remarques stratigraphiques sur la Formation de Murguceva (Tithonique supérieur-Hauterivien) de la région de Svinița (Banat) basée sur l’étude des calpionelles. *D.S. Inst. Geol., Geofiz., LXVIII*(3): 17-34
28. AVRAM E. (1984). Barremian Correspondent species of the genera Macroscaphites Meek and Costidiscus Uhlig. *In Symp.: 75 yrs. Lab. Paleont.* (1982) Univ. Bucharest, spec. vol.: 67-79.
29. AVRAM E., GRIGORESCU D. (1984). Un nou exemplar de amonit recoltat de la partea inferioară a formațiunii șisturilor negre: Hemihoplites cf. heberti (Fallot). Acad. RSR, *St. cerc. geol., geofiz., geogr., (Geol.)*, **29**: 88-91.
30. AVRAM E., KUSKO M. (1985). Céphalopodes éocretacés de la partie centrale et méridionale des monts Baraolt (Carpates Orientales). *D. S. Inst. Geol. Geof., LXIX*(3) (1982): 5-24.
31. NĂSTĂSEANU S., AVRAM E. (1986). Une nouvelle sous-division de la formation de Svinița: la sous-formation de Pîrîul Tiganilor. *D.S. Inst. Geol. Geofiz., 70-71*(4) (1983, 1984): 79-85.
32. AVRAM E., BUCUR I. I., POPESCU O. (1987). Considerations sur quelques faunes d’Ammonites éocretacées de la zone de Reșița (SW de la Roumanie). *D. S. Inst. Geol. Geofiz., 72-73*(3) (1985, 1986): 21-35.
33. AVRAM E. (1987). New data on the Jurassic Biostratigraphy/Regional stratigraphy in Romania. Progress report, International Subcommission on Jurassic Stratigraphy, Copenhagen, Newsletter no. **16**, 6 p.
34. AVRAM E. (1988). The Early Cretaceous (Berriasian-Barremian) ammonite assemblage in Romania. *In: Wiedmann J. & Kullmann J. (eds) Cephalopods – Present and Past: 607-619.* Schweizerbart’sche Verlagbuch-handlung, Stuttgart.
35. AVRAM E. (1988). The Upper Jurassic cephalopod assemblages in Romania and their paleogeographic distribution. *In: Rocha R.B. & Soares A.F. (eds), 2<sup>nd</sup> Intern. Symp. Jur. Strat.* (1987): 609-622. Inst. Nac. Invest. Cien., Lisboa.

36. **AVRAM E.**, DRĂGĂNESCU A., SZASZ L., NEAGU TH. (1988). Stratigraphy of the outcropping Cretaceous deposits in Southern Dobrogea (SE Romania). *Mém. Inst. Géol. Géophys.*, **XXXIII**: 5-43.
37. **AVRAM E.** (1990). Haplobrancoceras n. g., ammonite barrémienne à ligne cloisonnaire simplifiée. *D. S. Inst. Geol. Geofiz.*, **74(3)** (1987): 27-32.
38. **AVRAM E.** (1990). Considérations sur l'âge des marnes de Crivina (zone Reșița – SO de la Roumanie). *D. S. Inst. Geol. Geofiz.*, **74(3)** (1987): 33-68.
39. **AVRAM E.** (1990). Patruilisceras, a new genus of the family Silesitidae Hyatt, 1900 (Ammonitina). *D. S. Inst. Geol. Geofiz.*, **74(3)** (1987): 69-86.
40. **AVRAM E.**, DUȘA A., LUPU DENISA (1990). La faune d'Ammonites des couches de Dumești (Monts Apuseni de Sud, Roumanie). *D. S. Inst. Geol. Geofiz.*, **74(3)** (1987): 87-109.
41. ALEXANDRESCU GR., **AVRAM E.**, ION JANA (1990). Asupra vârstei flișului curbicortical inferior din valea Bicazului (Carpații Orientali). *D. S. Inst. Geol. Geofiz.*, **74(4)** (1987): 13-21.
42. **AVRAM E.**, ANTONESCU E., BALTRES A., IVA M., MELINTE M., TOMESCU C., RĂDAN S., OLTEANU R., PITULEA G., FLORESCU C., PETCU I., FILOTI M. (1990). Stratigraphy of the subsurface Lower Cretaceous deposits in the northern part of South Dobrogea (Romania). I.G.C.P. 245 and 262 Projects, Internat. Symposium, Bucharest 1990. Abstracts.
43. GRIGORESCU D., **AVRAM E.**, POP G., LUPU M., ANASTASIU N., RĂDAN S. (1990). Guide to excursions A and B, International Symposium IGCP Project 262 "Tethyan Cretaceous Correlation" and 245 "Nonmarine Cretaceous Correlation", Bucharest, Romania, 109+10 p.
44. LUPU M., **AVRAM E.**, ANTONESCU E., DUMITRICĂ P., LUPU D., NICOLAE I. (1993). The Late Jurassic and Cretaceous formations of the Drocea Monutains: stratigraphy and evolution of an ensialic basin. *Rom. J. Tect. and Reg. Geology*, **75**: 53-66.
45. HOEDEMAEKER P.J., COMPANY M., AGUIERRE-URRETA M. B., **AVRAM E.**, BOGDANOVA T. N., BUJTOR L., BULLOT L., CECCA F., DELANOY G., ETTACHFINI M., MEMMI L., OWEN H. G., RAWSON P. F., SANDOVAL J., TAVERA J. M., THIEULOY J. P., TOVBINA S. Z., VASICEK Z. (1993). Ammonite Zonation for the Lower Cretaceous of the Mediterranean region, bases for the stratigraphic correlation within the IGCP-Project 262. *Revista Espanola de Paleontologia*, **8(1)**: 117-120.
46. **AVRAM E.** (1993). Stratigraphy of the Cretaceous and Paleogene deposits in South Dobrogea. Guide book to Dobrogea, Field excursions, part.I, South Dobrogea, Simpozionul Proiectului IGCP 434, Bucuresti.
47. **AVRAM E.**, GRĂDINARU E. (1993). A peculiar Upper Valanginian cephalopod fauna from the Carpathian Bend (Codlea Town area, Romania): biostratigraphic and paleobiogeographic implications. *Jahrbuch der Geologischen Bundesanstalt*, **136(4)**: 665-700.
48. **AVRAM E.**, GRĂDINARU E. (1993). Sabbaiceras slefanescui n. gen. n. sp. (Ammonitina) in the Late Valanginian of the Codlea townarea (w. Brasov, Romania). *Lausanne, Bull. Geol. Vaud. Sc. Nat.*, **82(3)**: 201-207.
49. **AVRAM E.**, SZASZ L., ANTONESCU E., BALTRES A., IVA M., MELINTE M., NEAGU T., RADAN S., TOMESCU C. (1993). Cretaceous terrestrial and shallow water marine deposits in northern South Dobrogea (SE Romania). *Cretaceous research*, **14**: 265-305.
50. **AVRAM E.** (1994). Lower Cretaceous (Valanginian-Early Aptian) ammonite succession in the Svinița area (SW Rumania). *Géologie Alpine. Grenoble, Mémoire HS 20*: 1-55.
51. **AVRAM E.** (1995). Svinița (Banat), regiune de importanță paleontologică și biostratigrafică internațională. Ed. Acad. Rom., București, *Ocrot. naturii și mediului înconjurător*, **39(1-2)**: 43-49.
52. **AVRAM E.** (1995). Representatives of the Family Holodiscidae Spath 1924 (Ammonitina) in Romania. *Mem. Descr. Carta Geol. d'It.*, **LI**: 11-45.
53. TURCULEȚ I., **AVRAM E.** (1995). Lower Cretaceous Aptychus Assemblages in Romania. I. Svinita region. *Anal. Șt. Univ. Iași. Geologie*, **XL-XLI**: 87-119.
54. LUPU M., ANTONESCU E., **AVRAM E.**, DUMITRICĂ P., NICOLAE I. (1995). Comment on the age of some ophiolites from the north Drocea Mts. *Rom. J. Tect. & Reg. Geol.*, **76**: 21-25.
55. **AVRAM E.**, COSTEA I., DRAGASTAN O., MUȚIU R., NEAGU TH., ȘINDILAR V., VINOGRADOV C. (1995-1996). Distribution of the Middle-Upper Jurassic and Cretaceous facies in the Romanian eastern part of the Moesian Platform. *Rev. Roum. Géologie*, **39-40**: 3-33.
56. **AVRAM E.** (1996). Regiunea Svinița – arie de referință pentru studiile paleontologice /biostratigrafice. Svinița region – a reference area for the paleontologic/biostratigraphic studies. *An. Inst. Geol. Rom.*, **69(1)**: 130-133.
57. **AVRAM E.**, ANTONESCU E., MELINTE M. (1996). Atlasul paleontologic al Cretacicului inferior. The paleontologic atlas of the Lower Cretaceous. *An. Inst. Geol. Rom.*, **69(1)**: 125-129.
58. **AVRAM E.**, ION J., SÂNDULESCU M. (1996). Excursion guide C2, Carpathians Bend Area, IGR 90. Institutul Geologic al României (ed.): 7-11 și 24-26, pl. I-II, fig. 3.1, Bucharest.
59. **AVRAM E.**, NEAGU T., ANDREESCU I., CRIHAN M., MUNTEANU E., PANĂ I., PESTREA S., POPESCU G. (1996). Stratigraphy of the Cretaceous, Paleogene and Neogene deposits from South Dobrogea. *An. Inst. Geol. Rom.*, **69**, Suppl. 6, Excursion Guide D5: 72 p.
60. PANĂ IOANA, **AVRAM E.** (1997). The Lower Cretaceous gastropods of Southern Dobrogea (SE Romania). *Acta Palaeontologica Romaniae*, **1**: 180-187.
61. **AVRAM E.** (1997). Barremites, a new genus of the family Eodesmoceratidae Wright, 1955 (Ammonitina). *Acta Palaeontologica Romaniae*, **1**: 176-182.
62. **AVRAM E.** (1998). Contribution of the Geological Institute of Romania to the selection and management of the protected geological areas of Romania. Pro-GEO Int. Meeting, Sofia (1998), Abstracts vol., 7 p.
63. **AVRAM E.**, MELINTE M. (1998). Barremian-Aptian boundary beds in the Dâmbovicioara area (Rumanian Carpathians). *Zentralblatt fur Geologie und Palaontologie*, **I(11-12)**: 1117-1129.
64. **AVRAM E.**, MELINTE M. (1998). Hauterivian-Barremian stage boundary in Svinița area (Banat, SW Romania). *Rom. J. Stratigraphy*, **77(4)**: 37-46.



65. **AVRAM E.**, IOANE D., DRĂGOI DIANA (1998). Capidava-Ovidiu fault system revisited. *Rev. Roum. Geologie*, **42**: 113-124.
66. **AVRAM E.**, TURCULEȚ I., MELINTE M. (1998). Boreal immigration into Valanginian successions of the Romanian Carpathians. *Rom. J. Stratigraphy*, **77**(4): 27-35.
67. **AVRAM E.**, ANTONESCU E., MELINTE M. C., GRIGORE D., POPA M. (1998). The paleontological atlas of the Mesozoic. *An. Inst. Geol., Rom.*, **70**: 56-59.
68. **AVRAM E.** (1999). The Deshayesites KAZANSKY, 1914 (Ammonoidea) representatives in Romania, a link between the West-European and Caspian assemblages of this genus. In: Oloriz & Rodriguez Tovar (eds.) Advanced Research on Living and Fossil Cephalopods: 437-462, Kluwer Academic/Plenum Publishers, New York.
69. **AVRAM E.** (1999). The ammonites of the family Pulchelliidae Hyatt, 1903. *Acta Palaeontologica Romaniae*, **2**: 15-26.
70. **AVRAM E.** (1999). Some new species of the subfamily 'Leptoceratoidinae' (Ancyloceratina, Ammonoidea) in uppermost Hauterivian and lower Barremian deposits from Rumania. *Scripta Geol., Leiden, Spec. Issue* **3**: 31-43.
71. **AVRAM E.**, ION J., PANĂ I., POPESCU G., BALTRES A., IVA M., BOMBIȚĂ G. (1999-2000). The west Ovidiu sector of the Poarta Albă - Năvodari canal (Dobrogea, SE Romania): Stratigraphy, Structure, Paleontology. *Anal. Șt. Univ. „Al. I. Cuza” Iași. Geologie, Iași*, **XLV-XLVI**: 205-212.
72. SEGHEDI A., OAI E., IORDAN M., **AVRAM E.**, TATU M., CIULAVU D., VAIDA M., RĂDAN S., NICOLAE I., SEGHEDI I., SZAKÁCS A., DRĂGĂNESCU A. (1999). Excursion Guide of the Joint Meeting of EUROPROBE TESZ, PANCARDI and GEORIFT Projects: "Dobrogea – the interface between the Carpathians and the Trans-European Suture Zone": Geology and structure of the Precambrian and Paleozoic basement of North and Central Dobrogea. Mesozoic history of North and Central Dobrogea". *Rom. J. Tect. Reg. Geol.*, **77**, suppl. 2, 72 p.
73. **AVRAM E.** (2000). The Murguceva and Svinița formations (Late Tithonian – Aptian) outcrops north of the Svinița village area (SW Romania). *Geo-Eco-Marina*, **5-6**: 65-71.
74. **AVRAM E.** (2000). The ammonites of the Family Pulchelliidae Hyatt, 1903 (Ammonitina) in Romania. *Acta Palaeontologica Romaniae*, **2**: 15-26.
75. **AVRAM E.** (2000). Evoluția contactului tectonic dintre Dobrogea centrală și de sud. Evolution of the tectonic contact between Central and South Dobrogea. *An. Inst. Geol. Rom.*, **71**: 3-6.
76. **AVRAM E.** (2000). Atlasul amoniților de vârstă cretac inferioară din România. The Atlas of the Lower Cretaceous Ammonites of Romania. *An. Inst. Geol. Rom.*, **71**: 24-26.
77. **AVRAM E.**, UDUBAȘA G., MARINESCU FL., ȚICLEANU N., ANDREESCU I., MUNTEANU E. (2000). Către o documentare completă a ariilor eologice protejate din România. Towards a complete documentation of the Romanian geological protected areas. *An. Inst. Geol. Rom.*, **71**: 189-190.
78. **AVRAM E.** (2001). Representatives in Romania on the genera Dissimilites Sarkar, 1954 and Taxoratooides Spath, 1924 (Ancyloceratina, Ammonoidea). *Acta Palaeontologica Romaniae*, **3**: 23-30.
79. **AVRAM E.** (2001). Formațiunea de Murguceva (Tithonic superior-Hauterivian inferior) și Formațiunea de Svinița (Hauterivian superior-Aptian inferior) la NW de Falia Svinița. *An. Inst. Geol. Rom.*, **72**, suppl.: 26-27
80. **AVRAM E.**, GRĂDINARU E. (2001). Age of the Brasov Formation Jekelius, 1915, by cephalopods. *Anal. st. Univ. "Al. I. Cuza" Iași, Geologie*, **XLVII**: 135-144.
81. **AVRAM E.**, BORDEA S., COCIUBA I., HUZA R., PREDĂ I. (2001). Ammonite assemblages of the Ecleja formation (Northern Apuseni Mts., Romania), *Rom. J. Stratigraphy*, **79**: 13-20.
82. **AVRAM E.** (2002). The taxonomic position and biostratigraphic value of the genus Pseudocrioceratites Egoian, 1969 (Lytoceratina, Lower Cretaceous). *Abh. Geol. B.-A., Wien, Band* **57**: 257-264.
83. **AVRAM E.**, SZASZ L. (2002). Phosphatised Albian ammonites reworked in detrital sequences of the subsequent Cretaceous successions of South Dobrogea. *Anal. St. Univ. "Al. I. Cuza" Iași, Geologie*, **XLVIII**: 209-217.
84. PATRULIUS D., **AVRAM E.** (2004). The Lower Cretaceous ammonite assemblages and fossiliferous sites in the Dâmbovicioara region. *Acta Palaeontologica Romaniae*, **4**: 331-341.
85. BALTREȘ A., **AVRAM E.** (2005). Păciiul lui Soare – building stones and their sources. *DACIA (Serie nouă)*, **XLVI-XLVII** (2002-2003): 189-206.
86. **AVRAM E.** (2011). Field stop 6. The Șipotete section of the Cretaceous and the Sarmatian Location: Șipotetele village The Cretaceous Șipotetele section. In: Seghedi A. & Stoica M. (eds) Field Trip Guidebook, 3rd International Symposium on the Geology of the Black Sea Region 1-10 October 2011, Bucharest, Romania.
87. **AVRAM E.** (2011). Field stop 9. The Capidava Ovidiu Fault in artificial exposures along the Ovidiu-Poarta Alba canal Location: Ovidiu-Poarta Alba canal, about 1 km north of locality Ovidiu. In: Seghedi A. & Stoica M. (eds) Field Trip Guidebook, 3rd International Symposium on the Geology of the Black Sea Region 1-10 October 2011, Bucharest, Romania.
88. **AVRAM E.**, MUNTEANU EMILIA, CRIHAN MONICA (2011). Field stop 2. The Sarmatian (Kossovian) deposits overlying the Cenomanian transgression onto Uppermost Lower Albian to Upper Albian successions Location: 7 km north of Cernavoda (2 km north of the Seimenii Mari village). In: Seghedi A. & Stoica M. (eds) Field Trip Guidebook, 3rd International Symposium on the Geology of the Black Sea Region 1-10 October 2011, Bucharest, Romania.
89. **AVRAM E.** (2015). A related addition to the paper Patruilius & Avram: „The Lower Cretaceous Ammonite assemblages and fossiliferous sites in the Dâmbovicioara region”, published in *Acta Palaeontologica Romaniae*, **4** (2004), pp. 331-341. *Acta Palaeontologica Romaniae*, **11**(1): 63.
90. PATRULIUS D., **AVRAM E.** (2015). The Lower Cretaceous Ammonite assemblages and fossiliferous sites in the Dâmbovicioara region. *Acta Palaeontologica Romaniae*, **11**(1): 63-73.

### **Published maps**

SAVU H., LUPU M., **AVRAM E.**, MARINESCU F. (1979). *Foaia 72c, Săvârșin.*

GHENEA C., **AVRAM E.**, SZASZ L., GHENEA A., DRĂGĂNESCU A., ANDREESCU I. (1984).  
*Foaia 181a, Pestera.*

GHENEA C., **AVRAM E.**, SZASZ L., DRĂGĂNESCU A., GHENEA A., ANDREESCU I. (1984).  
*Foaia 181b, Medgidia.*

POP G., ANDREESCU I., **AVRAM E.**, DRĂGĂNESCU A., GHENEA A., GHENEA C.,  
MIHĂILESCU N. (1991). *Foaia 180b, Aliman.*

### **Maps in press**

**AVRAM E.**, ANDREESCU I., BOMBIȚĂ G., DRĂGĂNESCU A., GHENEA A., GHENEA  
C., MUNTEANU T., POP G., PLATON R., STOIAN L., SZASZ L. *Foaia 180d,*  
*Adamclisi.*

**AVRAM E.**, ANDREESCU I., DRĂGĂNESCU A., MUNTEANU T., PLATON R., STOIAN L.  
*Foaia 180c, Băneasa.*

### **Layout maps**

NĂSTĂSEANU S., **AVRAM E.**, BERCEA I., BERCEA E., BIȚOIANU C., DINICĂ I., DUMITRIȚĂ P.,  
IORDAN M., MORARIU S., POP G., SEGHEDI I., VISARION A. *Foaia 156a, Svințița.*

LUPU M., **AVRAM E.**, ROBU E., POPESCU A., NICOLAE I., MUNTEANU M., ȘTEFAN A.,  
MIHU V., PANĂ D. *Foaia 72b, Gurahonț.*

**AVRAM E.**, ANDREESCU I., BALTREȘ A., MIHĂILESCU N., MUNTEANU E., MUNTEANU T.,  
PLATON R. *Foaia 179d, Ostrov.*

**AVRAM E.**, ANDREESCU I., BALTREȘ A., ION J., MIHĂILESCU N., MUNTEANU E.,  
MUNTEANU T., OAIÈ G., SEGHEDI A., VAIDA M. *Foaia 182a, Constanța.*