

## **CURRICULUM VITAE**

**Name:** *NITU EUGEN*

**Date of birth:** 1964 May 30

**Nationality:** Romanian

### **Education:**

1982-1986 – Faculty of Biology, Bucharest University, Biology Specialisation

University degree attained:

1986 – Bachelor Degree – Biology

1997 – Doctor in biology - "Zoology specialization"

**Present position:** Senior researcher II – Head of Biospeleology and Soil Biology Department of Speleological Institute in Bucharest

### **Scientific career:**

• 2001-2007 – Senior Researcher II, Institute of Speleology “Emile Racovitza” , Biospeleology and Soil Biology Department

• 1996-2001 – Senior Researcher III, Institute of Speleology “Emile Racovitza” , Biospeleology and Soil Biology Department

• 1992-1996 – Researcher, Institute of Speleology “Emile Racovitza” , Biospeleology and Soil Biology Department

• 1991-1992 – Researcher assistant, Institute of Biology in Bucharest, Department of Taxonomy

• 1989-1990 – Biologist , Department of Entomology of the Central Phyto-sanitary Laboratory in Bucharest

• 1986-1998 – Biologist probationist , Research Station Greaca

**Foreign languages:** English, French, German

### **Research interests:**

• Taxonomy, ecology and biogeography of Coleoptera.

**Key qualifications:** Systematics, zoogeography and ecology of western palearctic Coleoptera (main interest group – Family Carabidae)

### **Specific experience:**

• 1993,1994,1995 – France, Subterranean Laboratory in Moulis (research stages - researches in transmission and scanning electron-microscopy on the sensorial apparatus of Trechini and Clivinini)

• 1995 – Israel, Hebrew University of Jerusalem, Department of Zoology, "Fauna et Flora Palaestina Committee" Jerusalem (participant to the scientific expedition in Israel - researches on the soil and subterranean Carabidae from wet and desert areas)

• June, 1994 – Environmental Training Project for Central and Eastern Europe (Consortium Partners: University Minnesota, Centre for Hazardous Materials Research, Institute for Sustainable Communities, World Wildlife Fund)

• 1992 – Austria, Institute of Limnology, Mondsee (research stage - applications in Hennig, Paup, Phillip programs for cladistic phylogeny and in MVSP and Ecostat programs for statistical ecology).

### **Research projects/grants (selective):**

Contract: „Evaluarea biodiversitatii din Rezervatia Biosferei Delta Dunarii” (Evaluation of the biodiversity in the Biosphere Reserve Danube Delta)

- Contract Responsible from ISER - 1992, 1994, 1995, 1997

Grant A.N.S.T.I. „Ecosistemele subterane unice din regiunea Movile” (The unique subterranean ecosystems from the Movile karstic area)

- Grant director - 1999-2000

Grant C.N.C.S.I.S. no. 33049 cod 72/2004 „Studii asupra asociatiilor interspecifice de Bembidiini (Coleoptera, Carabidae) - un grup cu specii ripicole importante in evaluarea biodiversitatii si gradului de poluare a bazinelor hidrografice din Romania” (Studies on the interspecific associations of Bembidiini (Coleoptera, Carabidae) - a taxonomic group with riparian species important in the evaluation of biodiversity and pollution of the Romanian hydrogeographic basins).

- Grant director - 2002-2004

- Grant director - 2002-2004

Project 7174 LIFE-III „Functional Ecological Network in Central Transilvania Plain”

- Responsible for Ord. Coleoptera - 2002-2005

Project „Fauna Europaea”

- participant (Ord. Coleoptera) - 2005 - 2006

Project Natura 2000, national implementation, contract no. 338/21.X.2005

- Contract Responsible from ISER (for habitat „Caves not open to public”) - 2005, 2006

- National evaluator for Coleoptera

Grant Romanian Academy no. 71/ 2005 – 2006: „Phylogenetic researches in Arthropoda based on morpho-anatomic structures and cladistic methods. Special significance of the subterranean forms.”

- participant - 2005 - 2006

Grant CEEX-NATFORMAN (coordinator Institute - ICAS)

- Grant director (from ISER) - 2006-2008

Special Service Agreement - Project U.N.P.D./G.E.F.- Studies on the Coleoptera in Maramures Mountains Natural Park

- Individual contractor - 2007

#### **Publications:**

##### **• Books:**

2006. NITU, E., Fauna Romaniei, Vol. X, Fasc. 6, Coleoptera, Carabidae: Tribus Bembidiini, Ed. Academiei Romane, 199 p. (in press).

##### **• Chapters in books:**

1995. NITZU, E., - Contributions to the knowledge of the Israeli Carabidofauna p.135-150, in Soil Fauna of Israel I., D. T. P. Ed. E. Nitzu.

1999. DECU, V., JUBERTHIE, C. NITZU, E, Coleoptera (varia). In "Encyclopaedia biospeologica" II (editori și redactori: C. Juberthie și V. Decu). Editura Fabbro, Saint-Girons, France. p.1153-1165.

2002. NITU, E. și DECU, V., Cap. 64, Coleoptera (domeniul acvatic). În Diversitatea lumii vii. Determinatorul ilustrat al florei și faunei României. Ed. Bucura Mond, București (sub red. S. Godeanu), vol. 3. p.522-571.

##### **Scientific works:**

##### **• Published abroad:**

1988. NITZU, E., *Pterostichus ienishtei*, n. sp. aus Rumänien. Entomol. Blätter, Bd.84, Hft. 1-2, p.17-18, Krefeld. Deutschland.

1994. DECU, V., NITZU, E, JUBERTHIE, C. *Clivina subterranea*, une nouvelle esp. dans le Grotte Movilé. Mem. Biospéol. XXI, p.41-45, Moulis.

1995. NITZU, E., JUBERTHIE, C., Changement dans l'equipement sensoriel des antennes et des palpes maxillaires en fonction de l'habitat edaphique et souterrain chez les coleopteres Trechinae (Caraboidaea, Trechidae). Bull. Soc. Ecophysiologie, XX (1-2), p. 67-78. Toulouse.

1996. NITZU, E., JUBERTHIE, C., Changement dans l'equipement sensoriel des antennes et des palpes maxillaires en fonction de l'habitat chez les coleopteres Clivininae (Scaritidae). Mém Biospéol. XXIII, p. 91-102, Moulis.

1998. NITZU, E. et DECU, V., First record of *Limnastis galilaeus* Brulle 1875 and *Parazuphium chevrolati* (Castelnau, 1833) (Coleoptera, Caraboidaea) in the subterranean habitat from Southern Dobrudja, Romania. Entomol. Mitt. zool. Mus. Hamburg 12 (157): 229-236.

2001. NITZU, E., Edaphic and subterranean Coleoptera from the Dobrogean karstic areas. A zoogeographic approach. Mitt. hamb. zool. Mus. Inst. 98: 131-169. Hamburg 2001 (2002).

##### **• In national scientific review (with international or national reviewers board):**

1985. CANDEA, E., LACATUSU, M., TUDOR, C., NITU, E., Entomofauna din culturile experimentale ale S.C.P. Vidra. Analele A.S.A.S.

1986. POPESCU A., NITU, E., Insects, an Important Component Part of the Food of the Little-Owl (*Athene noctua noctua* Scop.) in Summer Time. Ann. Univ. Buc.An XXXV, p.17-20

1988. NITU, E., Beitrage zur Kenntnis der Käfferfauna der Rumänischen Ebene. The IV National Conf. of Entomology, Cluj-Napoca, p. 247-249.

1989. BAIASU, V. & NITU, E., Determinarea gradului de aprovizionare în principalele elemente nutritive a unor suprafețe viticole ale S.C.P.V.V. Greaca în scopul precizării soluțiilor optime de fertilizare. Vol. Omagial S.C.P.V.V. Greaca, p. 267-273.

1991. NITU, E., *Calosoma* (*Charmosta*) *investigator* Ill., a new species for the Romanian Fauna. Rev. Roumaine de Biologie, 36 (1-2):121-125.Ed. Academiei Române.

1992. NITU, E., *Cardioderus chloroticus* F. -W., A New Sp. for the Romanian Fauna (Col. Caraboidea), Idem, Nr. 2, 101-102
1992. NITU, E. Specii de Carabidae noi pentru fauna Dobrogei și a Deltei Dunării. *Analele Științifice ale Institutului "Delta Dunării" Tulcea*, p.119-120.
1993. NITU, E., Emil Racoviță. Importanța campaniilor speologice peste hotare din punct de vedere biospeologic. *Academica* 6(30), aprilie 1993, p. 19.
1995. NITZU E., *Bembidion* (*Bembidionetolitzkya*) *paracomplanatum*, a new sp. from Romania. *Trav. Mus. d'Hist. Nat. "Gr. Antipa"*, XXXV, P. 153-160.
1998. (1995) DECU V., POR F. D., DIMENTMAN Ch, NITZU E., IAVORSCHI, V. and GHEORGHIU V., - A second expeditionary survey of the edaphic and stygobiontic fauna of Israel (May 1995). General information and a list of collection sites. *Trav. Inst. Spéol. «Émile Racovitza»* XXXIV, p.157-166.
1999. NITZU, E., *Laemostenus* (*Pristonychus*) *euxinicus* n.sp. (Coleoptera, Carabidae) from the subterranean habitat from Southern Dobrogea, Romania. *Trav. Hist. nat. "Gr. Antipa"*.40 (1998), p. 337-346 Bucurest.
2000. NITZU, E., - Carabidae (Coleoptera) from Israel (Second note). *Travaux de l'Institut de Spéologie «Émile Racovitza»*, XXXVI, pp. 192-199. Ed. Academiei Române, 1997.
2000. NITZU, E., Edaphicolous, Endogeous and Subterranean Coleoptera from the Movile Karstic Area *Trav. Inst. Spéol. "E. Racovitza"* XXXVI, pp. 71-96, 1997
2000. NITZU, E., (coautor Cls. Insecta). In *The Red List of Plant and Animal Species from the Danube Delta Biosphere Reserve Romania. (Co-ordination V. Otel). Ministerul Apelor, Padurilor si Protectiei Mediului. 132 p + 22 pl. color.*
- Nitzu E., Giurginca, A, Ilie, V., Vanoaica, L, 2002, First note on the edaphic and subterranean fauna from the evaporitic karstic regions of Romania. *Trav. Inst. Spéol. "E. Racovitza"* XXXVII-XXXVIII : 143-157
2003. NITZU, E., Contribution to the knowledge of the tribus Bembidiini (Coleoptera, Carabidae) from Romania. *Trav. Mus. natl. d'Hist. Nat. "Gr. Antipa"*, XLV: 179-185.
2003. NITZU, E., Description of a new species of *Anommatus* from Romania and of the male of *A. duodecimstriatus* (Coleoptera, Anommatidae). *Trav. Inst. Spéol. "E. Racovitza"* XXXIX-XL : 115-120.
2003. NITZU, E., New data on the genus *Anommatus* (Coleoptera, Anommatidae) from Romania. *Proceedings of the International Workshop on Subsurface Organisms. Fauna Europaea project. p. 37-39*
2004. NITZU, E., ILIE, V., Contribution to the knowledge of edaphic and subterranean coleoptera from the Closani karstic area (Oltenia, Romania) - with special references on the Mesovoid Shallow Substratum. *Trav. Inst. Spéol. "E. Racovitza"* XLII : 159-168.
2005. NITZU, E., NAE, A., Contribution to the knowledge of riparian Coleoptera and Araneae from the Natural Reserve "Codrii Seculari Slatioara" (Bucovina, Romania). *Trav. Inst. Spéol. "E. Racovitza"* XLIII : 207-216.
2005. A. NAE, M. VLAICU, I. POPA, T. CONSTANTINESCU, V. IAVORSCHI, E. NITZU, "First note on the invertebrate fauna of caves in the Piatra Craiului National Park" . *Travaux de l'Institut de Spéologie "Emile Racovitza"*, t. XLIII - XLIV, 2004 – 2005, 133-164.
- **Abstracts (selected):**
2004. NITZU E., Checklist of tribus Bembidiini (Coleoptera, Carabidae) from Romania. *Fauna Carpathica Meeting 2004, Book of Abstracts ISBN 80-968522-7-2: 31.*
2004. Nitzu E., Synthetic data on the Coleoptera fauna of Romania. *Fauna Carpathica Meeting 2004, Book of Abstracts ISBN 80-968522-7-2: 30.*
2006. NITZU, E., A coleopterological survey on the subterranean environment as ecological micro-refugue in the Carpatho-Euxinic area; its role in the regional biodiversity preserving). "XVIII<sup>th</sup> International Symposium of Biospeology", Cluj-Napoca, 10 – 15 July 2006
- **Other papers:**
- Ardeleanu, A., David, A., Groza, G., Iușan, C., Nicoară, B., Nițu, E., Mișuț, S., Pop, L., Seviianu, E. 2004. *Rezervația Naturală de interes național "Stufărișurile de la Sic" (Jud. Cluj). Biodiv. 1, ISBN: 1584-773X, p. 9-17*
- Nițu, E., 1997. *Contribuții taxonomice și biogeografice asupra speciilor palearctice ale genului Bembidion prezente pe teritoriul României. Teza de doctorat- rezumat. 33 p.*

Nițu E., 2006. Conceptualizarea complexității structurale și funcționale a ecosistemelor din zonele carstice. Sesiunea omagială 85 de ani de la înființarea Institutului de Speologie Emil Racoviță  
Volumul de rezumate: 7

• **In press:**

Eugen Nitzu, Nae Augustin, Popa Ionuț, 2007. Eco-faunistic study on the Invertebrate fauna (Araneae, Collembola and Coleoptera) from the Vârghiș Gorge Natural Reserve (the Oriental Carpathians, Romania), with special note on the micro-refugial role of the subterranean habitats. Trav. Inst. Spéol. "E. Racovitza" XLV.