

CURRICULUM VITAE



Nume: BEGY

Prenume: ROBERT-CSABA

Data și locul nașterii: 10 iunie 1980 Sighetu Marmatiei, Maramures

Catedra: Analiza si Ingineria Mediului

Funcția didactică: Lector Universitar

Titlul științific, anul obținerii, universitatea: Doctor in Fizica, 2009, Babes-Bolyai

Cursuri predate:

A. Nivel Licență:

Bazele Informatii Medilui

Meteorologie si Climatologie

Energii Neconventionale

Radioactivitatea Mediului

Radioecologie

I. CĂRȚI / MANUALE PUBLICATE:

C. Cosma, A. Dinu, T. Dicu, R. Begy **Radonul si cancerul pulmonar**, Radioactivitatea mediului II, Editura Quantum 2009, ISBN 978-973-88835-2-9

II. ARTICOLE / STUDII ȘTIINȚIFICE PUBLICATE ÎN REVISTE ȘI VOLUME (SELECȚIE):

A. Articole publicate în străinătate:

R. Begy, C. Cosma, A. Timar, D. Fulea **The Determination of Absolute Intensity of ^{234m}Pa 's 1001 keV Gamma Emission Using Monte Carlo Simulation** Journal of Radiation Research 50, 3, 2009 (p. 277-279)

R. Begy, C. Cosma, Z. Horvath **Sediment accumulation rate in the "Red Lake" (ROMANIA) determined by Pb-210 and Cs-137 radioisotopes** Romanian Journal of Physics. 54, 9-10, 2009

R. Begy, C. Cosma, A. Timar **Recent changes in Red Lake (Romania) sedimentation rate determined from depth profiles of ^{210}Pb and ^{137}Cs radioisotopes** Journal of Environmental Radioactivity 100, 8, 2009 (p. 644-648)

Cosma, C., A. Apostu, D. Georgescu, R. Begy, Evaluation of the radioactivity for different type of cements used in Romania. Romanian Journal of Materials 39(2) 2009 (p. 133-138)

R. Cs. Begy, A. Timar-Gabor, J. Somlai, C. Cosma ” A sedimentation study of St. Ana Leke applying the ^{210}Pb and ^{137}Cs dating methods” GEOCHRONOMETRIA 38(2) 2011: 93-100

A. Timar Gabor, S. Vasiliniuc, A. S. Badarau, R. Begy, C. Cosma, Testing the potential of optically stimulated luminescence dating methods for dating soil covers from the forest steppe zone in transylvanian basin. CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, October 2010, Vol. 5, No. 2, (p. 137 – 144)

S. Vasiliniuc, A. Timar Gabor , D.A.G. Vandenberghe, C.G. Panaiotu, R. Cs. Begy and C. Cosma “A high resolution optical dating study of the MOSTIȘTEA loess-palaeosol sequence (SE ROMANIA) using sand-sized quartz” GEOCHRONOMETRIA 38 (1) 2011: 34-41

O. A. Rusu , S. Dreve , R. Cs. Begy , D. C. Nita , L. D. Bobos , C. Cosma “Characteristics of formvar films used to prevent alpha-detector contamination”, JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, DOI 10.1007/s10967-011-1256-y.

O. A. Rusu, R. Cs. Begy, L. D. Bobos, S. Dreve, C. Cosma „Determination of long-lived radionuclides in water by alpha spectrometry” ADVANCES IN ENVIRONMENTAL SCIENCES, in press.

C. Cosma, A.R. Iurian, D.C. Nita, R. Cs. Begy, C. Cindea “Considerations about the presence of FUKUSHIMA radionuclides in the NW part of ROMANIA” ROMANIAN JOURNAL OF PHYSICS – accepted in press

B. Articole publicate în țară (selecție):

R. Begy, C. Cosma ”Instalatie experimentală pentru detectia radonului” The impact of physical and Bio-Geo-Chemical factors on the sustainable development Environment & progres – 3/2005 Cluj-Napoca (p.27-31)

R. Begy, C. Cosma ,”Determinarea concentratiei de Ra226 a apelor minerale inbuteliate in Romania” Environment-Research, protection and management Environment & progres- 6/2006 Cluj- Napoca (p.17-21)

R. Begy, C. Cosma, A. Timar, D. Fulea “Studiu asupra contaminarii cu Cs-137 a solului in zone din Transilvania” Environment-Research, protection and management Environment & progress- 2007 Cluj- Napoca

R. Begy, C. Cosma, Z. Horvath „Datarea sediimentelor tinere prin metoda Pb-210 si Cs-137, aplicatii pentru Lacul Rosu (Romania)” Environment-Research, protection and management Environment & progres- 2008 Cluj- Napoca

C. Cosma, A. Timar, V. Benea, R. Begy „**Metode nucleare de datare si aplicatii in arheologie si mediu**” Environmental – Research, Protection and Mngement 2007

Z. Horvath, D. Ciorba, N. Brisan, M. Moldovan, R. Begy „**Unele aspecte ale poluarii fonice urbane din Cluj-Napoca**” Environmental – Research, Protectioun and Mngement 2007

R. Begy, C. Cosma, J. Somlai, T. Kovacs,”**Metode de datare radiometrice pentru sedimente recente, aplicate la Lacul Rosu.**” EcoTerra nr. 19 an V, 2008 ISSN 1584-7071 (p. 31-32)

R. Begy, C. Cosma, Z. Horvath, „**The first radiometrical estimates of the Red Lake’s sedimentation rate.**” Studia Ambientum II 3-4, 2008 (7-14)

O. A. Rusu, R. Cs. Begy, D. C. Niță, C. Cosma „**Determination of radium from environmental samples using manganese dioxide coated discs followed by alpha spectrometry**”, ENVIRONMENT. & PROGRESS in press

D. C. Nita, C. Cosma, R. Cs. Begy “**¹³⁷Cesium in Cluj – Napoca, Romania**” -, Advances in Environmental Sciences - INTERNATIONAL JOURNAL OF THE BIOFLUX SOCIETY – in press

C.cosma, A.R.Iurian, D.Nita, R.Begy and C.Cindea, “**Considerations about Iodine 131 Concentrations in Different Environmental Samples after the Fukushima and Chernobyl Nuclear Accidents**”, publicat in Volumul suport CD al Conferinței Internaționale Nuclear_2011 „The 4th Annual International Conference on Sustainable Development through Nuclear Research and Education” organizata de INR Pitești în cooperare cu Academia Română și Universitatea din Pitești, 25-27 mai 2011, Pitești, România

I. M. Varga, R. Cs. Begy, D. C. Nilă, C. Cosma, “**Preliminary results regarding the radioactivity level in the Zaghid mining area (Salaj county, ROMANIA)**” ENVIRONMENTAL ISSUES IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT Cluj Napoca: Bioflux, 2011 ISBN 978-606-8191-14-0

C. Lucrări susținute la conferințe și simpozioane (selecție)

R.Begy, C.Cosma, Z.Horvath **Preliminary determination of Radon-exhalation in Red Lake region using Pb-210 radioisotope-** Terrestrial radionuclides in the Environment, Environmental Conferences Veszprem 2008, ISBN 978 963 9696 488 (p. 61-67)

R. Begy, C. Cosma, J.Somlai, T. Kovacs –**Datarea sediimentelor lacustre din profile de Pb-210 si Cs-137** – Varste absolute prin metode nucleare de datare- Radioactivitate mediului I Editura Quantum, 2008 ISBN 978 973 88835 0 5 (p.)

R.Begy, C.Cosma, Z.Horvath - Pb-210 and Cs-137 dating methods applied for Red Lakes's sedimentation (Romania) Central European Journal of occupational and Environmental Medicine 2008 vol 14 No.1 ISSN 1219-1221

C. Cosma, A. Timar, V. Benea, R. Begy Nuclear and Seminuclear Dating Methods: Application in Archeology, Geology and Environmental Science. Terrestrial radionuclides in the Environment, Environmental Conferences Veszprem 2008, ISBN 978 963 9696 488 (p. 23-35)

A. Timar, C. Cosma, V. Benea, R. Begy, V. Jobbagy, G. Szeiler, D. Barbos, D. Fulea A comparasion of Metods for External Dose Rate Determination in Luminescence Dating of Archeological Materials. Terrestrial radionuclides in the Environment, Environmental Conferences Veszprem 2008, ISBN 978 963 9696 488 (p. 35-45)

T. Patrutoiu, C. Cosma, J. Patrutoiu, R. Begy Contributii la cunoasterea radioactivitatii formatiunilor neogene cu carbuni din cariera Aninusa – Arges. Environment-Research, protection and management, Environment & Progress 12, 2008 (p.331 - 336)

A. Marton, R. Begy, C. Cosma, T. Kovacs A ²¹⁰Po aktivitsa-koncentracioja a Romaniaban forgalmazott cigarettakban es a rendszeres fogyasztasukbol eredo sugarterheles becslese. V. Karpát –medencei környezet tudományi konferencia 2009. (p. 445 - 449).

R. Cs. Begy, C.Cosma,C. Cindea, Z.Horvath Radon exhalation measurements in the Red Lake's catchment area V. Hungarian radon forum Veszprem 2009 (p. 53-59)

Papp B., Begy R., Nita D., Cosma C. "Erdélyi sós tavak izotopjainak radioaktivitása" –II. Földkérgi radioizotópok a környezetünkben, Környezetvédelmi Konferencia, Veszprém, 2010. május 12/„2th Terrestrial Radioisotopes in Environment International Conference on Environmental Protection”/ University of Pannonia, Veszprem /12 Mai 2010 /Veszprem/Ungaria CONFERENCE, Pannon Egyetemi Kiado 2011, ISBN 978 615 5044 05 2.)

O. A. Rusu, R. Cs. Begy, D.C. Nita, L.D.Bobos, C. Cosma „Alpha spectrometry using MnO₂ coated disc on the polyvinyl polymer substrate” FÖLDKÉRGYI RADIOIZOTÓPOK A KÖRNYEZETÜNKBEN, Veszprém 2011, Hungary, ISBN 978 615 5044 05 2, pp. 65-71 (PROCEEDINGS OF THE „2th Terrestrial Radioisotopes in Environment International Conference on Environmental Protection”/ University of Pannonia, Veszprem /12 Mai 2010 /Veszprem/Ungaria CONFERENCE, Pannon Egyetemi Kiado 2011, ISBN 978 615 5044 05 2.)

C.Cosma, A. Iurian, H. Lettner, R. Cs. Begy, D.C. Nita “Old and new aspects of post Chernobyl contamination in Romania and Austria, , PROCEEDINGS OF THE „2th Terrestrial Radioisotopes in Environment International Conference on Environmental Protection”/ University of Pannonia, Veszprem /12 Mai 2010 /Veszprem/Ungaria CONFERENCE, Pannon Egyetemi Kiado 2011 ISBN 978 615 5044 05 2.

III. PROIECTE DE CERCETARE:

Programul/Proiectul	Funcția	Perioada:
CEEX Nr. 614 / 2005	Membru	2005 – 2008

MENER/RADROM, nr. 747	Membru	2006 – 2008
CEEX-2CEX06-10-78/2006	Membru	2006 – 2008
TD-397/ 2008	Director	2008 – 2009
Program PN II SERTIR, nr. 3200	Membru	2008 – 2011
IRART-POS CCE ID 586	Membru	2010-2013

IV. Competențe lingvistice:

Engleza

Maghiara

V. Alte informații:

A. Specializări și calificări:

Radioactivitatea Naturala

-experienta practica in determinarea prin spectrometrie gama si alfa de inalta rezolutie a radioanuclizilor Th- 234, Ra-226, Bi-214, Pb-214, Pb-210,Po-210,U-238 (din familia U-238), Ac-228 si Tl-208 (din familia Th-232), K-40, Cs-137, Be-7 cosmogenic. Interes in studierea dezechilibrelor radioactive in seria uraniului si in masuratori de radon.

B. Membru al asociațiilor profesionale:

Hungarian Chemical Society

DATE DE CONTACT:

E-mail: robert.begy@ubbcluj.ro

Telefon: 0745873206

Facultatea de Știința și Ingineria Mediului

Fântânele 30

Corp C, Etaj 2, Cabinet 4