Lista de lucrări

NUMELE ŞI PRENUMELE: Albert (Ábrahám) Beáta

I. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Tezele de doctorat.

Evolutia turbăriilor din judetul Harghita, 2009, Conducător stiintific: Dr. Aurelia Brezeanu, Institutul de Biologie al Academiei Române, calificativ: foarte bine

Procedeu de obtinere a bioetanolului din deseuri agroalimentare tratate cu enzime termostabile recombinante, obtinuta prin expresie heterologa extracelulara, 2012, Conducător stiintific: Dr. Lányi Szabolcs, Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicată si Stiinta Materialelor, calificativ: foarte bine

B. Cărti publicate

B1. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate, la edituri recunoscute

Éva Laslo, Éva György, **Beáta Ábrahám** and Gyöngyvér Mara, *Plant-Microbe Interactions in Agro-Ecological Perspectives, Volume 1: Fundamental Mechanisms*, Methods and Functions, Springer Singapore, 2017, 978-981-10-5813-4, 10.1007/978-981-10-5813-4: Bacterial Strains with Nutrient Mobilisation Ability from Ciuc Mountains (Transylvania Region, Romania)

B2. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS.

B. Abraham, *Evolutia turbariilor din judetul Harghita*, Editura Scientia, 2009, Cluj Napoca, ISBN 978-973-1970-30-1

V. Turcin, I. Bârsan, I. Păună, L. Puşcaş, V. Anca, A. Toma, L. Flore, E. Măgureanu, E. Istrate, M. Vasiliu, I. F. Hănțilă, Sz. Lanyi, **B. Abraham** et. al, *Instalaţie şi tehnologii de pasteurizare cu microunde a laptelui şi a smântânii*, Editura Printech, 2008, Bucureşti

B3. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

B6. Capitole de cărţi publicate în ţară

Sz. Lanyi, F. D. Irimie, **B. Abraham**, *Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor, Capitol III. P. 107-118,* Editura Printech, 2007*,* Bucureşti, ISBN: 978-973-718-912-7

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

2026

Fodor, Hunor-Pál, Beáta Albert, and Pál Salamon. "Dynamics of Circulating Brain-Derived Neurotrophic Factor and Selenoprotein P in Subacute Stroke Patients Undergoing High-Intensity Interval Training-Based Neurorehabilitation: A Pilot Observational Study." *Neurology International* 18.8 (2026): 154.

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1. David, F., Salamon, P., Bodor, Z., Miklossy, I., Orban, C., Albert, B., Relationship between physical condition and academic performance in rural Romanian schoolchildren. Sportis: Revista Técnico-Científica del Deporte Escolar, Educación Física y Psicomotricidad, 2025, 11(1), 10.

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Csató-Kovács, E., Salamon, P., Fikó-Lászlo, S., Kovács, K., Koka, A., András-Korodi, M., Antal, E., Brumă, E., Tőrsők, B., Gudor, S., Miklóssy, I., Orbán, K. C., Albert, C., Bálint, E. É., Albert, B., Development of a Mammalian Cell Line for Stable Production of Anti-PD-1. Antibodies, 2024, 13(4), 82. https://doi.org/10.3390/antib13040082

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Hunor Pál Fodor, Hunor Dávid, Attila Czont, Ildikó Miklóssy, Kálmán-Csongor Orbán, Gyöngyi Tar, Abony Fodor, Zita Kovács, Beáta Albert and Pál Salamon, Enhanced Gait Recovery in Chronic Post-COVID-19 Stroke: The Role of Combined Physical Rehabilitation, Reports 2023, Volume 6, Issue 4, 51

2022

1. Laura Nagy, Péter Urbán, Lilla Makszin, Viktor Sándor, Anikó Kilár, Hajnalka Ábrahám, Beáta Albert, Béla Kocsis, Ferenc Kilár , *The effect of mutation in lipopolysaccharide biosynthesis on bacterial fitness,* Cells, 2022, *11*, 3249. https://doi.org/10.3390/ cells11203249
2. Pál Salamon, Csongor K. Orbán, Katalin Molnár-Nagy, Zita Kovács, Klára Váncsa, Emese Bálint, Ildikó Miklóssy, Beáta Albert, Gyöngyi Tar, and Szabolcs Lányi, *Study of native SMAC protein production in the pUbiq expression system: molecular cloning, biosynthesis and molecular modelling*, Electronic Journal of Biotechnology, Manuscript number: EJBT-D-21-00069R2, 2022

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Szövérfi János, Orbán Kálmán-Csongor, **Albert Beáta,** Nagy Katalin, Salamon Pál, Lányi Szabolcs, In vitro study of the CCMV capsid protein: cloning, expression, and purification, UPB Sci. Bull, Series B, Vol. 83, Iss.1, 2021

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Bodor Zs., Fazakas A., Kovács E., Lányi Sz., Albert B., *Using genome-scale model to predict the metabolic engineering impact on Escherichia coli metabolism during succinic acid production optimization*, Romanian Biotechnological Letters, ISSN: 1224 - 5984, 2020.

2019

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5. Eva Laslo, Lorand Mathe, Szabolcs Lányi, Beáta Ábrahám, Rozália Veronika Salamon, Kinga Tókos, *Effects of lactic acid bacteria inoculation on mountain grass and alfalfa silage fermentation characteristics.*, Environmental Engineering & Management Journal (EEMJ), Vol 18, Issue 3, 2019. IF 1,18

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2017

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3. Pálfi, M., Kovác,s E., Szilágyi, L., Miklóssy, I., **Ábrahám, B.,** Lányi, Sz., *Fluorescence quenching analysis of histidine-tagged enhanced green fluorescent protein*, UPB Scientific Bulletin Series B: Chemistry and Materials Science, 72, 2, 45-52, **2010,**

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Oancea Florin, Dinu Sorina, Popescu Ana, Mathe Istvan, **Beata Abraham**, Lanyi Szabolcs, *Tulpina de Paenibacillus graminis care favorizeaza nodularea plantelor leguminoase*, Brevet de inventie Nr. 125651

Oancea Florin, Constantinescu Florica, Dinu Sorina, Sicuia Oana, Gyongyver Mara, **Beata Abraham**, Lanyi Szabolcs, *Procedeu de tratare a solului cu microorganisme bio/agroinoculante*, Brevet de inventie, Nr. 125670

Oancea Florin, Sicuia Oana, Dinu Sorina, Gyorgy Eva, **Beata Abraham,** Lanyi Szabolcs, *Procedeu de izolare a bacteriilor fixatoare de azot in simbioza din nodozitatile plantelor leguminoase*, Brevet de inventie, Nr. 125669

G. Contracte de cercetare (menţionaţi calitatea de director sau membru)

Proiecte de cercetare, granturi	**Functia**	**Perioada**
CEEX/*„Optimizarea moleculara a unei enzimei centrale din calea metabolica a conversiei xilozei.Reactor optimizat pentru transformarea enzimatica a xilozei rezultate din deseurile celulozice" OMEXIL* *Nr. Contract: 1/06.10.2005*	Membru	2005-2008
CEEX/ *Retea integrata de cercetare pentru constituirea unei platforme tehnologice de biomateriale avansate, compatibila EuMaT – ADVABIOMAT* *Nr. Contract: 54/20.07.2007*	Membru	2006-2009
CEEX/ *Diagnoză şi predicţie inteligentă şi activă a construcţiilor cu structura de rezistenţă in mediul înconjurător complex poluat – DIRECTOR* *Nr. Contract: 136/02.10.2006*	Membru	2006-2009
CEEX/ *"Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor – ICEMECOS"* *Nr. Contract: X2C37/04.10.2006*	Membru	2006-2009
CEEX/ C*ercetari teoretice si experimentale asupra sistemelor expert de exploatare optima a proceselor tehnologice de epurare a apelor uzate din statiile de epurare orasenesti si industriale – SCAPEAU* *Nr. Contract: 147/2006*	Membru	2006-2009
CEEX/ *"Cercetari privind creşterea siguranţei alimentare prin utilizarea unor procese neconvenţionale de tratare termică a unor produse alimentare lichide"- SIGMA* *Nr. Contract: 40/01.08.2006*	Membru	2006-2009
Programul 4 PNCDI2/ Interactiibio / non-bio implicate in design-ul tesuturilor tari – INTESTA *Nr. Contract: 41-059/14.09.2007*	Membru	2007-2010

Programul 4 PNCDI2/ Sistem Informatic Integrat, Bazat Pe Inteligenta Artificiala, Pentru Examinarea Cererilor De Brevet De Inventie – EXAMBREV *Nr. Contract: 11-076/18.09.2007*	Membru	2007-2010
Programul 4 PNCDI2/Cercetari interdisciplinare privind valorificarea energetica a subproduselor din industria laptelui VESPIL *Nr. Contract: 31-096/2007*	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Tehnologie Si Echipament Pentru Pasteurizarea Laptelui Si A Smantanii In Camp De Microunde – MICROPAST *Nr. Contract: 88/25.09.2007*	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Tehnologii Inovative De Fabricare A Produselor Lactate Functionale In Conditii De Siguranta Alimentara – INOVATEC *Nr. Contract: 89/25.09.2007*	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Cresterea Competitivitatii Produselor Lactate Simbiotice Fabricate La SC Lactis SRL- Odorheiu Secuiesc Prin Imbunatatirea Calitatii Laptelui Materie Prima Si Optimizarea Si Dezvoltarea Activitatii De Marketing – SINBIOMARK *Nr. Contract: 98/28.09.2007*	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Aplicarea Tehnologiilor De Preepurare A Apelor Uzate In Reteaua De Canalizare – ATARC *Nr. Contract: 25/24.09.2007*	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Conceperea, Realizarea Şi Experimentarea Unui Sistem Performant De Transfer A Oxigenului În Reactoare Biologice Aerate – TEOFIT *Nr. Contract: 21/21.09.2007*	Responsabil de proiect	2007-2010
Programul 5 INOVARE/ Sistem Informatic De Monitorizare Si Control A Statiilor De Epurare A Apelor Uzate Prin Utilizarea Sistemelor Distribuite Multi-Agent Si A Unor Algoritmi Avansati De Reglare Automata – AICSYS *Nr. Contract: 30/24.09.2007*	Responsabil de proiect	2007-2010
Programul 4 PNCDI2/Sistem Bioinformatic Bazat pe Inteligenţa Artificială pentru Monitorizarea Sistemului Imunitar în Corelaţie cu Procesele Metabolice din Organismul Uman –MONIMUN *Nr. Contract: 62-073/01.10.2008*	Membru	2008-2011

Programul 4 PNCDI2/ Reproiectarea Specificităţii Enzimatice prin Evoluţie Dirijată. Elaborarea unei Serin-Proteaze Specifice pentru Clivarea C-terminală a Fosfotirozinei. PHOSPHOTYRASE *Nr. Contract: 61-027/14.09.2007*	Membru	2007-2010
Programul 4 PNCDI2/ Inoculanti Microbieni Pentru Sisteme De Agricultura Durabila – MIMOSA *Nr. Contract: 31-048/14.09.2007*	Membru	2007-2010
Programul 4 PNCDI2/ Procedeu de obtinere de bioetanol din deseuri Agroalimentare Tratate cu Enzime Termostabile Recombinante, Obtinute prin Expresie Heterologa Extracelulara – Bio-DesEnEx *Nr. Contract: 62-090/01.10.2008*	**Director de proiect**	2008-2011
Programul 4 PNCDI2/ Elucidarea mecanismului de Reglare Fină a Răspunsului Imun în Patologia Neoplazică şi Inflamatorie Umană în vederea Elaborării unor Terapii Inovative – ERIC *Nr. Contract: 42-147/01.10.2008*	Membru	2008-2011
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