

INFORMAȚII PERSONALE



Sex

HĂLBAC-COTOARĂ-ZAMFIR RAREȘ

EXPERIENȚA PROFESIONALĂ

17.02.2020 - prezent

Sef lucrari Doctor Inginer

Susținere de ore didactice, participare la conferințe, seminarii, workshopuri, simpozioane naționale și internaționale, elaborare si participare la contracte de cercetare, elaborare de lucrări științifice

Universitatea „Politehnica” Timișoara, Pța Victoriei nr. 2, 300006, Timișoara, România

Incepand cu anul 2004, am susținut ore de curs, seminar și laborator la următoarele discipline: Drenaje, Irigații, Dezvoltare rurală, Dezvoltare durabilă, Dezvoltare durabilă prin proiecte și programe, Elemente de dezvoltare durabila, Eficientizarea amenajărilor de desecare-drenaj, Exploatarea lucrărilor de îmbunătățiri funciare, Depozite de deșeuri, Construcții hidrotehnice, Optimizarea exploatării amenajărilor de îmbunătățiri funciare, Utilizarea energiilor regenerabile în amenajările de îmbunătățiri funciare, Metode de reabilitare, modernizare și re tehnologizare a amenajărilor de îmbunătățiri funciare

15.11.2016 – 21.10.2020

Administrator patrimoniu

Responsabil cu activități de consiliere și promovare a proiectelor depuse în cadrul programelor de cercetare finanțate din fonduri internaționale

Universitatea „Politehnica” Timișoara, Pța Victoriei nr. 2, 300006, Timișoara, România

Management de proiect, atragere fonduri internaționale, consiliere în activitatea de pregătire a propunerilor de proiecte

01.10.2007 – 16.02.2020

Asistent Universitar Doctor Inginer

Susținere de ore didactice, participare la conferințe, seminarii, workshopuri, simpozioane naționale și internaționale, elaborare si participare la contracte de cercetare, elaborare de lucrări științifice

Universitatea „Politehnica” Timișoara, Pța Victoriei nr. 2, 300006, Timișoara, România

01.10.2004 – 30.09.2007

Doctorand Inginer

Susținere de ore didactice, participare la conferințe, seminarii, workshopuri, simpozioane naționale și internaționale, elaborare si participare la contracte de cercetare, elaborare de lucrări științifice

Universitatea „Politehnica” Timișoara, Pța Victoriei nr. 2, 300006, Timișoara, România

EDUCAȚIE ȘI FORMARE

- 2020 Expert accesare fonduri structurale si de coeziune europene
Ministerul Muncii si Justitiei Sociale, Ministerul Educatiei Nationale
Certificat de absolvire nr. 00149746 din data de 14.07.2020
Curs organizat de SC SOFT SKILLS TRAINING SRL in perioada 5 – 8 martie 2020
- 2016 Obținerea atestatului de abilitare
Ministerul Educației Naționale și Cercetării Științifice
OMENCS nr. 5969/08.12.2016
Competențe în coordonarea tezelor de doctorat în domeniul ingineriei civile (inclusiv schimbările climatice, managementul terenurilor, managementul hazardelor naturale etc.)
- 7 – 11 Aprilie 2014 Certificat de pregatire in utilizarea si aplicarea metodologiei WOCAT pentru analiza si documentarea managementului durabil al terenurilor
Universitatea din Berna, Centrul pentru Dezvoltare si Mediu, Hallerstrasse no. 10, Berna, Elvetia
- 7 – 12 decembrie 2013 Certificat de absolvire curs Manager Proiect, COR 242101
Competente in domeniul managementului proiectelor
Camera de Comert si Industrie a Municipiului Bucuresti
- 1 octombrie 2004 – 12 iulie 2010 Titlul de Doctor Inginer in inginerie civila
Domenii abordate: drenaje, exploatarea sistemelor de imbunatatiri funciare, dezvoltare rurala, climatologie, dezvoltare durabila, managementul terenurilor
- 20 – 23 martie 2007 Diploma absolvire curs Horizontal Training for Structural Instruments
Managementul fondurilor structurale
Ministerul Finantelor Publice
- Noiembrie 2005 – iunie 2006 Certificat de absolvire curs postuniversitar – Managementul integrat al apelor
Managementul integrat al apelor; Riscul la inundatii; Risc si siguranta; poluarea apelor
Facultatea de Hidrotehnica, Departamentul de Educatie Permanenta al Universitatii Politehnica Timisoara, P-ta Victoriei nr. 2, Timisoara
- 1 octombrie 2004 – 1 octombrie 2005 Diploma Master – Organizarea Exploatarei Sistemelor de Inginerie Sanitara si Protectia Mediului
Protectia asezarilor umane; Managementul integrat al protectie mediului; Optimizarea sistemelor hidroedilitare
Universitatea Politehnica Timisoara, P-ta Victoriei nr. 2, 300006, Timisoara, Romania
- 1999 - 2004 Diploma de inginer
Specializarea Imbunatatiri Funciare si Dezvoltare Rurala
Facultatea de Hidrotehnica, Universitatea Politehnica Timisoara
- 2003 Certificat de calificare profesionala
Ghid national de turism
Universitatea Tibiscus si SC Dima Consulting Group, Ministerul Transporturilor, Constructiilor si Turismului, Romania
- 2 – 9 iulie 2000 Certificat de absolvire al celui de-al V-lea program de training in hidroecologie
Samuel Tessedik College, Facultatea de Management al Apei si Mediului, Szarvas, Ungaria

COMPETENTE PERSONALE

Limba(i) maternă(e) Limba română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Limba engleză	C2	C2	C1	C1	C2
Limba franceză	A2	A1	A1	A1	A1

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat

Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

- Buna capacitate de comunicare
- Capacitate de adaptare la medii multiculturale

Competențe organizaționale/manageriale

- Experiența în coordonarea de grupuri de lucru (proiecte tip COST, HORIZON, UEFISCDI)
- Experiența în organizarea de evenimente științifice (workshop-uri; conferințe)
- Implementare proiecte resurse umane

Competențe dobândite la locul de muncă

- Competențe în proiectarea lucrărilor de îmbunătățiri funciare și dezvoltării rurale
- Elaborare programe și strategii de dezvoltare rurală și dezvoltare durabilă
- Evaluare proiecte
- Evaluarea impactului asupra mediului a lucrărilor de îmbunătățiri funciare
- Competențe în elaborarea de planuri și strategii de adaptare la schimbările climatice
- Competențe în elaborarea de planuri și strategii de management a hazardelor hidro-climatice

Competențe digitale

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator independent	Utilizator independent

Niveluri: Utilizator elementar - Utilizator independent - Utilizator experimentat

Competențele digitale - Grilă de auto-evaluare

Permis de conducere Categoria B din anul 2005

INFORMATII SUPLIMENTARE

Articole și lucrări prezentate la conferințe	Peste 150 de lucrări publicate din care peste 83 indexate Web of Science (vezi anexa 1)
Proiecte	Lista de proiecte este prezentata in anexa 2.
Cărți și capitole în cărți	Anexa 3
Alte mențiuni	Membru în asociațiile: DesertNet International, European Water Resources Association, International Association of Computer Science and Information Technology, International Association of Engineers, International Society for Agricultural Meteorology, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services Recenzor în cadrul mai multor jurnale indexate în Web of Science (Q1, Q2) și Scopus Evaluator proiecte Orizont2020, Horizon Europe, COST, ERA4CS, PRIMA, UEFISCDI Chairman, recenzor, speaker invitat în cadrul mai multor conferințe internaționale

ANEXA 1

LISTA LUCRĂRILOR PUBLICATE ÎNCEPÂND CU ANUL 2006

1. E. T. MAN, R. HĂLBAC-COTOARĂ, Carmen Dorina IOSIP, Cristina MODRA, *Humidity Excess Zones Management for Achieving Sustainable Agricultural Productions*, Scientific Symposium "Management of the Agricultural Production Intensification", USAMV Timișoara, Agricultural Management Faculty, Scientific Papers, Series I, vol. VIII, ISSN 1453-1420;
2. E. T. MAN, R. HĂLBAC-COTOARĂ, Carmen Dorina IOSIP, Cristina MODRA, *Land Reclamation and Improvement – Infrastructure of the Rural Area to Ensure Agricultural Productions*, Scientific Symposium "Management of the Agricultural Production Intensification", USAMV Timișoara, Agricultural Management Faculty, Scientific Papers, Series I, vol. VIII, ISSN 1453-1420;
3. E. T. Man, I. Kovacs, V. Bedreag, R. HĂLBAC-COTOARĂ, I. Lauer, *The rehabilitation and modernization of pumping stations from land reclamation arrangements (drainage – surface drainage) affected by flooding from April-May 2005*, The 2nd International Symposium "Preventing and Fighting Hydrological Disasters", Timișoara, 29 June – 1 July 2006, ISBN – 10: 973-638-263-X, ISBN – 13: 978-973-638-263-5, Proceedings: Ed. Orizonturi Universitare, Timișoara, pp. 40;
4. R. HĂLBAC-COTOARĂ, *The legislation from Romanian space regarding water from roman law to Framework Directive and Law 310/2004*, The 2nd International Symposium "Preventing and Fighting Hydrological Disasters", Timișoara, 29 June – 1 July 2006, ISBN – 10: 973-638-263-X, ISBN – 13: 978-973-638-263-5, Proceedings: Ed. Orizonturi Universitare, Timișoara, pp. 86;
5. E. T. MAN, A. KISS, R. HĂLBAC-COTOARĂ, ALINA COSTESCU, CRISTINA MODRA, *Preservation of humidity excess areas in order with European Laws. Case study of "Satchinez Swamps" natural reservation, Timiș county*, The 2nd International Symposium "Preventing and Fighting Hydrological Disasters", Timișoara, 29 June – 1 July 2006, ISBN – 10: 973-638-263-X, ISBN – 13: 978-973-638-263-5, Proceedings: Ed. Orizonturi Universitare, Timișoara, pp.88;
6. E.T. MAN, A. BLENEȘI-DIMA, R. HĂLBAC-COTOARĂ, *Studies and Researches Regarding the Permeability of Some Geosynthetic Clay Liners (Bentonitic Geocomposites)*, International Conference Advanced Composite Engineering Materials "COMAT 2006", Transilvania University of Brașov, Mechanical Engineering Faculty, 19 – 22 octombrie 2006, Brașov, ISBN 973-635-821-8, ISBN 978-973-635-821-0;
7. R. HĂLBAC-COTOARĂ, *Surface Drainage and Drainage Arrangements Evolution in Romania*, Scientific Bulletin of Hydrotechnical Engineering Faculty Timișoara, Tom 51(65), Fascicola 1-2, 2006;
8. A. WEHRY, R. HĂLBAC-COTOARĂ, RAMONA RECEANU, *Consideration about determination of jumping-up size basins with drowned vein, at the pumping stations for surface drainage*, Scientific Bulletin of Hydrotechnical Engineering Faculty Timișoara, Tom 51(65), Fascicola 1-2, 2006;
9. R. HĂLBAC-COTOARĂ, *Studies regarding aridity in Timiș County, Romania*, Scientific Bulletin of Hydrotechnical Engineering Faculty Timișoara, Tom 51(65), Fascicola 1-2, 2006;
10. MAN T.E., MATEOC-SARB N., HĂLBAC-COTOARĂ R., *Rural development infrastructure – decisive factor for a sustainable rural development*, Scientific Bulletin of Hydrotechnical Engineering Faculty Timișoara, Tom 51(65), Fascicola 1-2, 2006;
11. E.T. MAN, F. STOICA, R. HĂLBAC-COTOARĂ, *Drainage solutions for the main soils with humidity excess from Satu Mare and Maramureș Counties, resulted from the drainage studies effectuated*, Lucrările celei de a XVIII-a Conferințe Naționale pentru Știința Solului, Cluj-Napoca, 20-26 august 2006;
12. Halbac-Cotoara-Zamfir R., Sustainable development and agrotourism in Timis County. Perspectives, Bulletin of the University of Agricultural Sciences and Veterinary Medicine, Vol 62, 2006: Agriculture Book Series: Buletinul Universitatii de Stiinte Agricole si Medicina Veterinaria Cluj-Napoca, Agriculture Book Series Volume: 62 Pages: 417-417 Published: 2006 WOS:000245237700105 ISSN: 1454-2382
13. Halbac-Cotoara-Zamfir R., Drainage perspectives in Romania. Theory and action, Bulletin of the University of Agricultural Sciences and Veterinary Medicine, Vol 63, 2006: Horticulture Book Series: Buletinul Universitatii De Stiinte Agricole Si Medicina Veterinaria Cluj-Napoca Seria Horticultura Series, Volume: 63 Pages: 450-450 Published: 2006 WOS:000245240200134 ISSN: 1454-2382

14. R. HĂLBAC-COTOARĂ, *Drainage arrangements management for nutrients control*, Zilele Academice Timișorene, 24 – 25 Mai 2007, Buletinul Științific al Facultății de Hidrotehnică, Tom 52(66), Fascicola 1,2/2007, ISSN 1024-6042;
15. R. HĂLBAC-COTOARĂ, *Efficiency and effectiveness in drought-irrigation integrated approach. Study Case: Timiș County*, Zilele Academice Timișorene, 24 – 25 Mai 2007, Buletinul Științific al Facultății de Hidrotehnică, Tom 52(66), Fascicola 1,2/2007, ISSN 1024-6042;
16. R. HĂLBAC-COTOARĂ, *Drought and aridity phenomenon in Romania's Timiș County*, International Conference DISASTER AND POLLUTION MONITORING PROGRAM - Third Edition , Iași, November 1 - 2, 2007, ISBN 978-973-730-406-3;
17. E.T. MAN, R. HĂLBAC-COTOARĂ, P. ȘTEOLEA, *Managementul amenajărilor de I.F. din România în etapa post-aderare la U.E.*, Al VI-lea Simpozion Internațional al Asociației Române de Științe Regionale "Impactul aderării României la Uniunea Europeană asupra structurilor regionale", Alba Iulia, 18 – 20 iulie 2007;
18. E.T. MAN, I.P. OTIMAN, N. MATEOC-SÎRB, T. MATEOC, V. ȘEULEAN, R. HĂLBAC-COTOARĂ, *Rural Development analyzing and diagnosing methods in Romania*, THE 5th International Conference Management of Technological Changes Alexandroupolis, Greece, 25-26 August 2007, ISBN 978-960-893205 (ISI Proceedings); MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 2, Pages: 505-514, Published: 2007, WOS:000252696800069
19. I.P. OTIMAN, E.T. MAN, N. MATEOC-SÂRB, V. ȘEULEAN, V. GOȘA, A. COJOCARIU, T. MATEOC, R. HĂLBAC-COTOARĂ, C. OBOROCEA, *Obiective, metodologie de lucru, studii și rezultate preconizate la proiectul de cercetare "Modele și metode complexe de cercetare în dezvoltarea durabilă a României"*, USAMVB Timișoara, 2007, Scientific papers, Series I, Vol. IX(1), ISSN 1453-1410;
20. R. HĂLBAC-COTOARĂ, *A theory regarding drainage arrangements future in Romania. Study case: Timiș County*, The American Romanian Academy of Arts and Sciences, The 31st Annual Congress of the American Romanian Academy of Arts and Sciences "Pro-Active Partnership in Creativity for the Next Generation", 31 July – 5 August 2007, Transylvania University Brașov, Romania, Presses Internationales Polytechnique, ISBN 978-2-553-01412-3, Quebec, Canada;
21. R. HĂLBAC-COTOARĂ, C. ZAMFIR, *A comparative analysis between Romania's strategy for drought phenomenon effects mitigation and similarly measures applied at European level*, Scientific Symposium "Management of sustainable rural development", USAMV Timișoara, Agricultural Management Faculty, Scientific Papers, Series I, vol. X, ISSN 1453-1410, pg. 317-324, 2008;
22. R. HĂLBAC-COTOARĂ, C. ZAMFIR, *The potential of rural development infrastructure in Timiș County*, Scientific Symposium "Management of sustainable rural development", USAMV Timișoara, Agricultural Management Faculty, Scientific Papers, Series I, vol. X, ISSN 1453-1410, pg. 325-332, 2008;
23. R. HĂLBAC-COTOARĂ, *Drought and aridity phenomenon's in South-Western Romania*, XXIVth Conference of the Danubian Countries Bled, Slovenia, 2 - 4 June 2008;
24. R. HĂLBAC-COTOARĂ, *Romania's western part (Timiș County) between humidity excess and water scarcity. The future of drainage arrangements and wet areas*, Third International Scientific Conference on Water Observation and Information System for Decision Support, BALWOIS 2008, Ohrid, Republic of Macedonia, 27-31 May 2008;
25. R. HĂLBAC-COTOARĂ, *Software for drainage arrangements design*, The 7th International Symposium "Prospects for the 3rd Millenium Agriculture", 2 – 4 octombrie 2008, Cluj Napoca, Buletinul USAMVCN nr. 65(1-2) (ISSN 1454-2382) (B+)
26. R. HĂLBAC-COTOARĂ-ZAMFIR, A.I. COSTESCU, N. NEMEȘ, *Sustainable rural development strategy from natural and technological risks, accessibility and population needs maps*, THE 6th International Conference Management of Technological Changes Alexandroupolis, Greece, 3 – 5 September 2009, ISBN (Vol. II) 978-960-89832-8-1, pg. 89-92; WOS:000273226200023
27. HĂLBAC-COTOARĂ-ZAMFIR, *The complex role of land drainage in a sustainable agriculture*, THE 6th International Conference Management of Technological Changes Alexandroupolis, Greece, 3 – 5 September 2009, ISBN (Vol. II) 978-960-89832-8-1, pg. 85-88; WOS:000273226200022;
28. R. HĂLBAC-COTOARĂ-ZAMFIR, EURURALIS – *A tool used for the study of EU27 rural areas future*, International Symposium "The Management of Sustainable Rural Development", 14 – 15 May 2009, Scientific papers, Series I, Vol. XI(1), ISSN 1453-1410, pg. 277 – 284;
29. R. HĂLBAC-COTOARĂ-ZAMFIR, *Green infrastructure and sustainable rural development*, International Symposium "The Management of Sustainable Rural Development", 14 – 15 May 2009, Scientific papers, Series I, Vol. XI(1), ISSN 1453-1410, pg. 285 – 290;

30. R. HĂLBAC-COTOARĂ-ZAMFIR, *Designing a drip irrigation system using HydroCalc Irrigation Planning*, 3rd International Symposium "Trends in European Agriculture Development", 14 – 15 May 2009, Research Journal of Agricultural Science, Vol. 41(1) Ed. Agroprint, ISSN 2066-1843, pg. 420 – 425;
31. R. HĂLBAC-COTOARĂ-ZAMFIR, *Results obtained in drainage arrangements design by using DrainSpace application*, 3rd International Symposium "Trends in European Agriculture Development", 14 – 15 May 2009, Research Journal of Agricultural Science, Vol. 41(1) Ed. Agroprint, ISSN 2066-1843, pg. 426 – 431;
32. R. HĂLBAC-COTOARĂ-ZAMFIR, *A short monograph of drainage arrangements in Romania*, The 33rd Annual Congress of the American Romanian Academy of Arts and Sciences (ARA), 2 – 7 June 2009, Proceedings, Vol. II, ISBN 978-2-553-01433-8, pg. 23 -26, Polytechnic International Press, Montreal, Quebec, 2009;
33. R. HĂLBAC-COTOARĂ-ZAMFIR, I.A. Costescu, *Studies and researches regarding soil's humidity excess in Arad County (WESTERN ROMANIA)*, ANNALS of FOOD SCIENCE and TECHNOLOGY, Faculty of Environmental Engineering and Biotechnologies, ISSN: 2065- 2828, indexed in International Database: IndexCopernicus International, vol. I, pg. 213 – 217;
34. R. HĂLBAC-COTOARĂ-ZAMFIR, I.A. Costescu, *A comparison of the head losses values for Timis County's drainage systems using the results obtained with DrenVSublr and Espadren programs*, ANNALS of FOOD SCIENCE and TECHNOLOGY, Faculty of Environmental Engineering and Biotechnologies, ISSN: 2065- 2828, indexed in International Database: IndexCopernicus International, vol. I, pg. 218 – 222;
35. Nemes N., Costescu I.A., R. HĂLBAC-COTOARĂ-ZAMFIR, *The Quantitative Prognoses of the Generated Wastes in Timisoara*, Scientific Bulletin of the „Politehnica” University of Timisoara, Romania, Transactions on Hydrotechnics, Tom 54(68), Fasc. 1/2009, pg. 29-32;
36. Nemes N., Costescu I.A., R. HĂLBAC-COTOARĂ-ZAMFIR, *Specific fluxes of the wastes in Timis County*, Scientific Bulletin of the „Politehnica” University of Timisoara, Romania, Transactions on Hydrotechnics, Tom 54(68), Fasc. 1/2009, pg. 33-36.
37. R. HĂLBAC-COTOARĂ-ZAMFIR, *Is Romania prepared for climatic changes from land reclamation and improvement arrangements point of view?*, European Water Resources Association's (EWRA), 7th International Conference, "Water Resources Conservancy and Risk Reduction Under Climatic Instability", Lymassol, Cipru, 25-27 Iunie 2009, ISBN 978-9963-671-94-6, pg. 257-264;
38. R. HĂLBAC-COTOARĂ-ZAMFIR, I.A. Costescu, *Water pollution sources in western part of Romania. Causes and consequences*, European Water Resources Association's (EWRA), 7th International Conference, "Water Resources Conservancy and Risk Reduction Under Climatic Instability", Lymassol, Cipru, 25-27 Iunie 2009, ISBN 978-9963-671-94-6, pg. 911-918;
39. Man T.E., Bodog M., Constantinescu L, R. HĂLBAC-COTOARĂ-ZAMFIR, *New Soft For The Optimal Technical-Economic Design Of Drainage Network In Steady state Regime Of Functioning And Verifying Operation In Sub- Irrigation Study Case: Greoni-Ticvanu Mare Drainage Arrangement*, 9th International Drainage Symposium held jointly with CIGR and CSBE/SCGAB Proceedings, 13-16 June 2010 IDS-CSBE-101429;
40. R. HĂLBAC-COTOARĂ-ZAMFIR, I.A. Costescu, *CALCULATION OF DISTANCE BETWEEN DRAINS IN CONTROLLED REGIME*, Research Journal of Agricultural Science, 42(3), ISSN 2066-1843, pg. 154-160, Mai 2010, Timisoara;
41. R. HĂLBAC-COTOARĂ-ZAMFIR, *CALCULATION OF DISTANCE BETWEEN DRAINS USING ENDRAIN PROGRAM*, Research Journal of Agricultural Science, 42(3), ISSN 2066-1843, pg. 161-166, Mai 2010, Timisoara;
42. Costescu I.A., R. HĂLBAC-COTOARĂ-ZAMFIR, *Aspects regarding the national strategy of sustainable development in Region 5 West Romania*, Research Journal of Agricultural Science, 42(3), ISSN 2066-1843, pg. 483-490, Mai 2010, Timisoara;
43. Costescu I.A., R. HĂLBAC-COTOARĂ-ZAMFIR, Jumanca R., Ienci C., *Contributions to the students counseling program at the "Politehnica" University of Timisoara*, Proceedings of the 6th International Seminar on the Quality Management in Higher Education; 8-9 Iulie 2010, Tulcea, pg. 83-86, ISBN 978-973-662-566-4; (ISI Proceedings) WOS:000288291800021, QUALITY MANAGEMENT IN HIGHER EDUCATION, VOL 1, Pages: 79-82, Published: 2010
44. Costescu I.A., R. HĂLBAC-COTOARĂ-ZAMFIR, Jumanca R., Ienci C., *What we can do or not do for our higher education environment? Opinions from the young generations for the Timisoara's high education of tomorrow*, Proceedings of the 6th International Seminar on the Quality Management in Higher Education; 8-9 Iulie 2010, Tulcea,

pg. 87-90; ISBN 978-973-662-566-4; (ISI Proceedings) WOS:000288291800022, QUALITY MANAGEMENT IN HIGHER EDUCATION, VOL 1, Pages: 83-86, Published: 2010;

45. Man T.E., Constantinescu L., R. HĂLBAC-COTOARĂ-ZAMFIR, Buran C., The results of drainage studies accomplished in Caras-Severin County, 1st International Conference, Water Across Time in Engineering Research, 16-19 Iunie 2010, Constanta, ISSN 1584-5990;

46. R. HĂLBAC-COTOARĂ-ZAMFIR, Drainage Arrangements Design Using Nonsteady-State Equations, Proceedings of 2011 International Conference on Technological Advancements in Civil Engineering, ISBN 978-1-4244-9541-2, 2011;

47. R. HĂLBAC-COTOARĂ-ZAMFIR, Different software for agriculture water management in Romania, Actual Tasks on Agricultural Engineering-Zagreb Volume: 39, 39th International Symposium on Agricultural Engineering Location: Opatija, CROATIA, 1333-2651, 21-25 FEBRUARIE 2011, 289-298; WOS:000290918800029

48. R. HĂLBAC-COTOARĂ-ZAMFIR, Efficient methods for land drainage design using computerized non steady-state methods, Actual Tasks on Agricultural Engineering-Zagreb Volume: 39, 39th International Symposium on Agricultural Engineering Location: Opatija, CROATIA, 1333-2651, 21-25 FEBRUARIE 2011, 281-287; WOS:000290918800028;

49. HALBAC-COTOARA-ZAMFIR R., Costescu Ioana-Alina, Nemes Iacob, The Management of Technological Changes Role in Increasing Employment Rate, 7th International Conference on Management of Technological Changes, Alexandroupolis, ISBN 978-960-99486-2-3, 2011; WOS:000306939900096, pg. 381-384; book 1.

50. HALBAC-COTOARA-ZAMFIR R., Costescu Ioana-Alina, Nemes Iacob, The Role of Technological Changes' Management in Urban Regeneration and Resilience Improvement, 7th International Conference on Management of Technological Changes, Alexandroupolis, ISBN 978-960-99486-3-0, 2011; WOS:000306940000016, pg. 61-64, book 2.

51. HALBAC-COTOARA-ZAMFIR R., Costescu Ioana-Alina, The analysis of water-table variation using GDZ RoDrain application for some areas affected by humidity excess from western Romania, XXXIV CIOSTA CIGR V Conference, Efficient And Safe Production Processes In Sustainable Agriculture And Forestry, Vienna, ISBN 978-3-200-02204-1, 2011;

52. HALBAC-COTOARA-ZAMFIR R., Costescu Ioana-Alina, Is Romania prepared for climatic changes from land reclamation and improvement arrangements point of view?, XXXIV CIOSTA CIGR V Conference, Efficient And Safe Production Processes In Sustainable Agriculture And Forestry, Vienna, ISBN 978-3-200-02204-1, 2011;

53. Costescu Ioana-Alina, Halbac-Cotoara-Zamfir R., Measures taken to reach the "Climatic changes and clean energy" objective from the National Strategy of Sustainable Development, in Region V West Romania, Scientific Bulletin of the "POLITEHNICA" University of Timisoara, Transactions on Hydrotechnics, Vol 56(70), pg. 49-54, 2011;

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141. Halbac-Cotoara-Zamfir R., Cividino S., Egidi G., Salvati L., 2021, Building For Local Resilience And The Latent Nexus Between Vulnerability And Sustainability In Metropolitan Regions, Environmental Engineering And Management Journal 20(7), 1065-1076, WOS: 000677483000003
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T., 2022, Identifying barriers for nature-based solutions in flood risk management: An interdisciplinary overview using expert community approach, *Journal of Environmental Management* 310, 114725, 10.1016/j.jenvman.2022.114725, WOS: 000798919300005

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ANEXA 2

Lista proiectelor incepand cu anul 2006:

- 2004 – 2005 Cercetator in cadrul proiectului CNCSIS „Studii și cercetari asupra materialelor geosintetice folosite în diferite lucrari din tehnica îmbunătățirilor funciare. Interpretari fizice, scheme de soluționare, metode și tehnologii de aplicare”; Tema 17, Grant 708, Contract 27688/ 14.03.2005; Valoare: 120.000.000 ROL; Colectiv: Prof. Dr. Ing. Man Teodor Eugen (coordonator); Prof. Dr. Ing. Wehry Andrei; Prof. Dr. Ing. Orlescu Mircea; Asist. Ing. Blenesi-Dima Attila; Asist. Ing. Popescu Filip; Drd. Ing. Maries Maria Crina; Drd. Ing. Halbac-Cotoara Rares
- 2006 – 2012 Cercetator/ proiectant in cadrul urmatoarelor proiecte:
- Studiu de fezabilitate: Constructie pod in localitatea Birda si constructie pod in localitatea Singeorge (jud. Timis). Beneficiar: Primaria Birda, Jud. Timis
 - Studiu de fezabilitate: Gestionarea deseurilor in comuna Birda. Beneficiar: Primaria Birda, Jud. Timis
 - Modernizarea sistemului de irigatii OUAI Murgeanca, jud. Ialomita. Beneficiar: PFA Cioclov A.
 - Modernizarea si retehnologizarea sistemului de irigatii pe suprafata OUAI Scinteia, jud. Ialomita. Beneficiar: PFA Cioclov A
 - Modernizarea sistemului de irigatii apartinand OUAI Ograda, jud. Ialomita. Beneficiar: PFA Cioclov A
- 2006 – 2008 Cercetator in cadrul proiectului CNCSIS „Modele si metode complexe de cercetare in dezvoltarea rurala durabila a Romaniei”, Grant A Tip Consortiu, Contract nr. 78GR/ 07.06.2006, Subcontract nr. 9444/07.06.2006 inregistrat la UPT si 293/07.06.2006 inregistrat la Institutul de Economie Agrara Bucuresti; Valoare totala: 500.000 RON; Valoare UPT: 152.000 RON; Colectiv: Prof. Dr. Ing. Man Teodor Eugen (coordonator); Conf. Dr. Ing. Constantinescu Laura; Drd. Ing. Iosip Carmen; Drd. Ing. Halbac-Cotoara Rares; Drd. Ing. Modra Cristina Dorina; Drd. Ing. Costescu Alina-Ioana
- 2008 – 2010 Cercetator in cadrul proiectului bilateral Romania - Ungaria „Managementul eficient al terenurilor joase afectate de excesul de umiditate din zona transfrontaliera Ungaria-Romania”, finantat de Autoritatea Nationala pentru Cercetare Stiintifica; Bilateral Romania - Ungaria, Contract nr. 38/ 2008; Val. 116185 RON; Colectiv: Prof. Dr. Ing. Man Teodor Eugen (coordonator); Conf. Dr. Ing. Constantinescu Laura; Asist. Drd. Ing. Halbac-Cotoara Rares;
- 2009 – 2013 Coordonator institutional al proiectului INTERREG IVC 0637R2 „The role and involvement of local authorities in employment rate” finantat de UE prin Fondul European de Dezvoltare Regionala; Colectiv: Asist. Dr. Ing. Halbac-Cotoara Rares (coordonator); Asist. Drd. Ing. Costescu Ioana-Alina; S.I. Dr. Dragomir Mugur Gabriel; S.I. Dr. Ing. Beilicci Robert; S.I. Dr. Ing. Beilicci Erika.
- 2012 – 2016 Coordonator national de proiect, Membru al Comitetului de Management al proiectului COST ES 1104 “Arid lands restoration and combat of desertification: Setting up a drylands and desert restoration hub” si Coordonator al grupului 1 de lucru pentru actiunea COST ES1104
- 2012 – 2016 Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST IS 1202 “Dynamics of Virtual Work”, membru al grupului de lucru 4
- 2012 – 2013 Trainer in cadrul Programului Leonardo da Vinci, proiect LLP-LdV-Tol-2011-RO-002 intitulat “Development of knowledge centres for life-long learning by involving specialists and decision makers in flood risk management using advanced Hydroinformatic tools”, Pregatirea specialistilor si a factorilor de decizie in managementul inundatiilor in vederea utilizarii de instrumente informatice avansate; LLP-LdV-Tol-2011-RO-002 - LIFELONG LEARNING PROGRAMME, LEONARDO DA VINCI, Transfer of innovation (01.01.2012 – 31.03.2013); Colectiv: S.I. Dr. Ing. Beilicci Erika (coordonator); Prof. Dr. Ing. Man Teodor Eugen; S.I. Dr. Ing. Beilicci Robert; Conf. Dr. Ing. Sumalan Ioan; S.I. Dr. Ing. Garbaciuc Alina; S.I. Dr. Ing. Garbaciuc Cristian; Conf. Dr. Ing. Lazar Gheorghe; S.I. Dr. Ing. Stefanescu Camelia; As. Dr. Ing. Visescu Mircea; Asist. Dr. Ing. Halbac-Cotoara Rares; Stoian Dana
- 2013 – 2017 Membru substitutor in Comitetul de Management al proiectului COST IS 1207 “Local Public Sector Reforms: An International Comparison”

- 2013 – 2017 Membru titular in Comitetul de Management al proiectului COST ES1308 “CLIMMANI: Climate Change Manipulation Experiments in Terrestrial Ecosystems: Networking and Outreach”
- 2017 – 2018 Assistant Manager in cadrul proiectului Interreg-Danube - Electric, Electronic and Green Urban Transport Systems – eGUTS, Val. Totala Euro: 1819075, Val. UPT euro: 333500 euro.
- 2017 – 2021 Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA16209 Natural Flood Retention on Private Lands
- 2017 – 2021 Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA16229 European Network for Environmental Citizenship
- 2016 – 2017 Coordonator al Proiectului bilateral RO14 Romania-Islanda 1BIL/18.08.2016 Practici inovative în managementul sustenabil al terenurilor dedicate zonelor afectate de schimbările climatice, Perioada de implementare 01.09.2016 – 01.04.2017, Director de proiect, Val. Totala: 7800 euro.
- 2016 – 2017 Coordonator al Proiectului bilateral RO14 Romania-Norvegia 2BIL/18.08.2016
- 2016 – 2017 Coordonator al Proiectului bilateral RO14 Romania-Norvegia 9BIL/23.11.2016 Dezvoltarea unei rețele naționale de adaptare la schimbările climatice (RONET-ADAPT), Perioada de implementare 15.11.2016 – 01.07.2017, Director de proiect, Val. Totala: 2000 euro.
- 2016 – 2017 Coordonator al Proiectului bilateral RO 14 Romania-Norvegia-Islanda 10BIL/23.11.2016 Adaptarea la schimbările climatice - soluții pentru Estul Europei (ADAPT-SEE), Perioada de implementare 01.12.2016 – 01.05.2017, Director de proiect, Val. Totala: 6680 euro.
- 2016 – 2017 Membru in echipa de proiect a Proiectului bilateral RO14 Romania-Norvegia 11BIL/19.12.2016 Managementul deșeurilor - strategii de adaptare la schimbările climatice (WASTE-CLIM-ADAPT), Perioada de implementare 15.12.2016 – 01.07.2017, membru in echipa de proiect, Val. Totala: 8140 euro
- 2017 Coordonator al Proiectului bilateral RO14 Romania – Islanda 12BIL/19.12.2016 Soluții ecologice pentru reducerea riscurilor hidro-meteorologice si adaptarea la schimbările climatice (ECOSOL), Perioada de implementare 10.01.2017 – 15.07.2017, Director de proiect, Val. totala: 1820 euro
- 2017 Coordonator al Proiectului bilateral RO14 Romania – Islanda 20BIL/27.03.2017 Regionalizarea parametrilor hidrologici in analiza inundatiilor in bazine hidrografice mici, Perioada de implementare 27.03.2017 – 15.08.2017, director de proiect, Val. Totala: 3200 euro
- 2017 Membru in echipa Proiectului bilateral RO14 Romania – Islanda 21BIL/27.03.2017 Infrastructura verde - Concepte privind sustenabilitatea urbanului si a conservarii spatiului rural (GreenInfra), Perioada de implementare 27.03.2017 – 15.07.2017, membru in echipa de proiect, Val. Totala: 7634 euro
- 2017 Membru in echipa Proiectului bilateral RO02 Romania – Islanda 6313/GLG/ 30.08.2017 Protejarea biodiversitatii si importanta serviciilor ecosistemelor - o abordare inter-generationala, Perioada de implementare 30.08.2017 – 01.11.2017, membru in echipa de proiect, val. Totala: 10000 euro
- 2016 – 2017 Membru in echipa Proiectului bilateral Romania-China 64/BM/2016 Dezvoltarea tehnologiilor de monitorizare a spatiilor verzi urbane prin teledetectie. Studiu comparative Timisoara – Beijing si Romania – China, Perioada de implementare 23.09.2016 – 31.12.2017, membru in echipa de proiect, Val. Totala: 13595 euro.
- 2017 – 2021 Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA16233 Drylands Facing Change: Interdisciplinary Research on Climate Change, Food Insecurity, Political Instability; coordonator al grupului de lucru nr. 3 Human Development
- 2017 – 2019 Coordonator al 6 proiecte de mobilitati finantate prin Programul 1 Dezvoltarea Sistemului National de Cercetare – Dezvoltare, Sub-programul 1.1 Resurse Umane – Proiecte de mobilitate pentru cercetatori
- 2018 – 2019 Coordonator al 4 proiecte de mobilitati finantate prin Mecanismul Financiar SEE 2014 – 2021, Programele EEA Cercetare, RO-CULTURA si RO-ENERGY

2018 – 2022	Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA17109 Understanding and modeling compound climate and weather events
2018 – 2020	Cercetator in cadrul proiectului de dezvoltare instituțională 10 PFE / 16.10.2018 Creșterea performanței instituționale a Universității Politehnica Timișoara prin consolidarea capacității de cercetare-dezvoltare și de transfer tehnologic în domeniul "Energie, mediu și schimbări climatice"
2019 – 2023	Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA18135 Fire in the Earth System: Science and Society
2021 – 2025	Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA 20132 Urban Tree Guard - Safeguarding European urban trees and forests through improved biosecurity (UB3Guard)
2021 – 2025	Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA 20136 Opportunistic precipitation sensing network (OPENSENSE)
2022 – 2023	Director al proiectului 691 – Capitalizing on urban culture by promoting cultural heritage and cultural entrepreneurship, finantat prin Mecanismul Financiar European SEE 2014-2021, Fondul pentru relatii bilaterale, decizia nr. 1529/112/C din 14 iulie 2022
2022 – 2023	Director al proiectului 820 – The culture of parks in cities – parks of culture, finantat prin Mecanismul Financiar European SEE 2014-2021, Fondul pentru relatii bilaterale, decizia nr. 1530/112/C din 14 iulie 2022
2022 – 2023	Director al proiectului 821 – Timisoara from today's capital of culture to the city of the future. Design the future of your city, finantat prin Mecanismul Financiar European SEE 2014-2021, Fondul pentru relatii bilaterale, decizia nr. 1531/112/C din 14 iulie 2022
2022 – 2023	Director al proiectului 914 – Think green. The culture of sustainable urban development, finantat prin Mecanismul Financiar European SEE 2014-2021, Fondul pentru relatii bilaterale, decizia nr. 1532/112/C din 14 iulie 2022
2022 – 2023	Expert dezvoltare urbana durabila in cadrul proiectul SEE 690
2022 – 2023	Expert dezvoltare urbana durabila in cadrul proiectul SEE 912
2023 – 2027	Director din partea Universitatii Politehnica Timisoara pentru proiectul Horizon IA Land4Climate, Coordonator al Pachetului de lucru nr. 4
2023 – 2026	Director din partea Universitatii Politehnica Timisoara pentru proiectul EUKI Empowering Local Climate Action
2024 – 2026	Director al proiectului UEFISCDI Premiere Institutionala 39PHE/2024
2024 – 2028	Coordonator national de proiect si Membru al Comitetului de Management al proiectului COST CA 23133 Large-scale Interdisciplinary Alliance on Nature-based SoLutions and Health: Indicators, Inequality and Innovation (LILY)

ANEXA 3

Carti si capitole de carti publicate incepand cu anul 2006

Man Teodor Eugen, Hălbac-Cotoară-Zamfir Rareș, (2007), Probleme de drenaje. Calcul si experiment, Ed. Politehnica, ISBN 978-973-625-551-9, 110 pg.

Hălbac-Cotoară-Zamfir Rareș (2010) Romania's western part (Timis County) facing climatic changes, Lambert Academic Publishing, 123 pg., ISBN 978-3-8433-7610-5;

Hălbac-Cotoară-Zamfir Rareș (2011) Eficientizarea amenajărilor de desecare-drenaj, Ed. Politehnica, Timișoara, 203 pg., ISBN 978-606-554-316-4;

Hălbac-Cotoară-Zamfir Rareș (2011) Amenajări hidroameliorative. Proiectarea sistemelor de irigații și drenaje. Ed. Politehnica Timișoara, Timisoara, 262 pg., ISBN 978-606-554-317-1;

Hălbac-Cotoară-Zamfir Rareș (2012) Dezvoltare durabilă, Ed. Brumar, Timișoara, 168 pg., ISBN 978-973-602-798-7;

Man Teodor Eugen, Hălbac-Cotoară-Zamfir Rareș, Receanu Ramona Georgeta (2012) Probleme de drenaj. Calcul și experiment. Ediție revizuită și adăugită, Ed. Politehnica 163 pg., ISBN 978-606-554-572-4.

Hălbac-Cotoară-Zamfir Rareș, Gabor Alina (2014) Modernization of float pumping stations for irrigation, In: Megh R. Goyal (Ed.) Sustainable micro irrigation: principles and practices (Research advances in sustainable micro irrigation; volume 1), Apple Academic Press, Toronto, New Jersey, CRC Press, Taylor&Francis Group, pg. 185-194, ISBN 978-1-77188-016-9.

Hălbac-Cotoară-Zamfir Rareș, Hațegan Emanuel (2014) Micro Irrigation Design Using Hydrocalc Software, In: Megh R. Goyal (Ed.) Sustainable micro irrigation: principles and practices (Research advances in sustainable micro irrigation; volume 1), Apple Academic Press, Toronto, New Jersey, CRC Press, Taylor&Francis Group, pg. 301-314, ISBN 978-1-77188-016-9.

Hălbac-Cotoară-Zamfir Rareș (2015) Abordări și concepte moderne în tehnologia îmbunătățirilor funciare, Ed. Politehnica, 206 pg, ISBN 978-606-35-0028-2

Halbac-Cotoara-Zamfir, R. and S. Eslamian, 2017. Functional Analysis of Regional Drought Management. In: Handbook of Drought and Water Scarcity, Volume 3: Management of Drought and Water Scarcity, Eslamian, S. and F. Eslamian (Eds.). Chapter 14, CRC Press/Taylor & Francis Group, USA., ISBN-13: 9781498731003, pp: 305-328.

Boeve-de Pauw J., Halbac-Zamfir R. (2020) Environmental Citizenship in the Context of Primary Non-formal Education. In: Hadjichambis A. et al. (eds) Conceptualizing Environmental Citizenship for 21st Century Education. Environmental Discourses in Science Education, vol 4. Springer, Cham

Bauer N., Megyesi B., Halbac-Cotoara-Zamfir R., Halbac-Cotoara-Zamfir C. (2020) Attitudes and Environmental Citizenship. In: Hadjichambis A. et al. (eds) Conceptualizing Environmental Citizenship for 21st Century Education. Environmental Discourses in Science Education, vol 4. Springer, Cham

Halbac-Cotoara-Zamfir, R., Rusu, T. and Halbac-Cotoara-Zamfir, C. (2021). Water Harvesting and Conservation in Romania. In Handbook of Water Harvesting and Conservation (eds S. Eslamian and F. Eslamian). <https://doi.org/10.1002/9781119776017.ch31>

Al-Tawaha A.R.M., Günal H., Křeček J., Halbac-Cotoara-Zamfir R., Patel H.K., Vyas R.V., Halbac-Cotoara-Zamfir C., Celik I., Khalid A.S., Aleksanyan A., Al-Tawaha A.R., McNeil D.L., Rauf I.A., Sangeetha J., Fahad S., Trioui L., Zaiton A.A., Al-Ramamneh E.A., 2021, Soil fertility decline under climate change, In: Sustainable soil and land management and climate change, eds.Fahad S., Sönmez O., Saud S., Wang D., Wu C., Adnan M., Turan V., CRC Press Taylor and Francis, <https://doi.org/10.1201/9781003108894>, eBook ISBN9781003108894

Halbac-Cotoara-Zamfir R., Tempels B., 2022, Institutionalizing the resilient city: constraints and opportunities, In: Spatial Flood Risk Management. Implementing Catchment-based Retention and Resilience on Private Land, eds. Hartmann T., Slavíková L., Wilkinson M.E., Edward Elgar Publishing, ISBN 9781800379527, pg. 134-147, doi: <https://10.4337/9781800379534.00018>

Halbac-Cotoara-Zamfir R., Salvati L., Eslamian S., 2023, Irrigation Management in Romania, In: Handbook of Irrigation Hydrology and Management, eds. Eslamian S. And Eslamian F., CRC Press, e-9781003353928, 15 pg.