





Personal information	Lucian - Dorin Hanganu
	 Str. Masina de Paine, nr. 2, Bl. OD32A, Sc.C, Et. 1, Ap. 96, sector 2 Bucuresti
	 0744498894, 0723882712
	 dorin_hanganu@yahoo.com
	Gender Male Birth date 19 June 1961 Nationality Romanian

PROFESSIONAL EXPERIENCE

1986-1988	Physics engineer Central Institute of Physics, Nuclear Equipment Factory Bucharest, Dept. of Quality Assurance <ul style="list-style-type: none"> Ensuring the quality of nuclear products and services for the Cernavoda Nuclear Power Plant
1988-1999	Physics engineer Bucharest Institute for Chemical-Pharmaceutical Research
1988-1989	Physics engineer Bucharest Institute for Chemical-Pharmaceutical Research IR spectroscopy; UV-VIS spectroscopy Physico-Chemical Analysis Department
1989-1999	Physics engineer Bucharest Institute for Chemical-Pharmaceutical Research Biochemical engineering: <ul style="list-style-type: none"> applied microbiology; cultures of animal tissues and cells; modern separation processes - ultrafiltration products obtained by extraction and purification from animal organs and glands Radiobiology Department of Pharmaceutical Biotechnology
2000-2009	Director SC AQUALAND EXIM SRL <ol style="list-style-type: none"> Aquarium & Pond Design - design and execution of freshwater and marine aquariums, construction of ponds KOI imports of fresh and marine fish, corals, etc Design and execution of public aquariums Aquaculture systems RAS (Tilapia and Barramundi) Reproduction and growth KOI Aquaponic systems
2000-2009	Director SC AQUATRAVEL SRL

2009- 2021	Director
	SC CENTRU PISCICOL S-H SRL
	<ol style="list-style-type: none"> 1. Aquarium & Pond Design - design and execution of freshwater and marine aquariums, construction of ponds KOI 2. imports of fresh and marine fish, corals, etc 3. Design and execution of public aquariums 4. Aquaculture systems RAS (Tilapia and Barramundi) 3. Reproduction and growth KOI 4. Aquaponic systems

EDUCATION AND TRAINING	
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1976-1980	Boarding high school „C. Negruzzi”, Iasi	
1980-1986	University of Bucharest, Faculty of Physics, Department of Nuclear Materials and Fuel Elements	
	Specialty - Interaction of Radiation with Substance	

PERSONAL SKILLS	
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Native language	Romanian				
Other known foreign languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Conversation	oral discourse	
English	B	B	B	B	C
Japanese	B	B	B	B	C
French	A	A	A	A	A
	Levels: A1/A2: Elementary user - B1/B2: Independent user - C1/C2: Experienced user Common European Framework of Reference for Languages				

Digital skills	SELF EVALUATION				
	Information processing	Communication	Content creation	Security	Problem solving
Hardware - equipment configuration and maintenance - configuration and maintenance of internet networks	Experienced	Experienced	Experienced	Experienced	Experienced
Software - operating systems: -DOS -WINDOWS -LINUX - Microsoft Office: -MS-Word -MS-Excel -MS-Access - Graphics : -CorelDraw -Adobe Photoshop - DTP: -Adobe PageMaker -Quarq XPress - Internet: - configuration and maintenance of internet servers - editing and maintaining WEB pages - Scientific software : -IsisDraw, ChemWind	Experienced	Experienced	Experienced	Experienced	Experienced

-Grapher+Surfer - Statistics - Program development: databases - Real-time data acquisition (analog signals) - Intranet networks under WINDOWS and LINUX					
Levels: Elementary user - Independent user - Experienced user Digital skills - Self-assessment grid					

Driving license	B
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Projects	<ul style="list-style-type: none"> ▪ 2006 - Galati Public Aquarium (Museum of Natural Sciences Complex) (freshwater and marine maternity and quarantine); ▪ 2008-2009 - Tulcea Public Aquarium (Danube Delta Eco-Tourist Museum Center) (design, equipment acquisition, full and popular execution) ▪ 2014 - Falticeni Public Aquarium (Mihai Bacescu Water Museum) (reconstruction of large aquariums); ▪ 2016 - ZOO Brasov (Shark aquarium, freshwater aquariums, marine aquariums, alligator terrarium); ▪ 2017 - Oradea Public Aquarium (Crisurilor Country Museum); ▪ 2018 - Drobeta Turnu Severin Public Aquarium (Museum of the Iron Gates Region).
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National Projects

1. Public campaign project 1999-2003 for the conservation of the coastal area Vama Veche - Making the Discovery documentary
2. Contract CEEX - BIOTECH 120/2006 , subcontract 310/P2 (STURDUN) (2006-2008) - "Conservation and sustainable use of sturgeons in the Lower Danube " ;
3. Contract CEEX AGRAL 5 (NUTRIACVA) (2005-2008) - "Research for the production of conventional and unconventional competitive domestic feed used in aquaculture "
4. Sector Contract 357/2006 (2006 - 2008) , "Development of reproductive technologies for rare fish species , endangered or threatened with extinction " ;
5. Contract 3800AK/20.09.2007 " Environmental risk assessment in Romania cultivation of genetically modified maize lines MON 810 and T25 " , July-December 2007 ;
6. Contract 201/2006 , CNAFP (2006 - 2007) , "Research on the mechanisms of biological filtration of aquaculture water for intensive production and superintensive " performer;
7. Contract 52-170 / 2008, PN II (2008-2012), "Development and implementation of intensive growth technologies of the species *Oreochromis niloticus* (Tilapia) – with a view to its introduction in aquaculture in Romania”, responsible contract, 2008-2012;
8. Contract 52-171 / 2008, PN II (2008-2012), "Optimization of the technological processes in aquaculture by introducing systems and methods of automated feeding and monitoring of water quality, in order to comply with the EU requirements regarding the quality of the environment and the products of aquaculture ”, Responsible contract, 2008-2012;
9. SMIS contract CSNR 17610 (2011-2014), "Protected Natural Area – Snagov Lake” Appropriate management through review Management plan based on scientific studies, Information and Awareness, SOP Environment, Axis 4
10. Advanced biotechnology for intensive – freshwater aquaculture wastewater reuse – ABAWARE (2017-2019)
11. Fast Danube Nr. HRO / 16.1_335 / L / 30.11.2020 Project: Technical assistance for the revision and completion of the feasibility study on the improvement of navigation conditions on the Romanian-Bulgarian common sector of the Danube and complementary studies.
12. ERA-NET COFUND WATERWORKS 2015 - Joint Programming Initiatives, "ADVANCED BIOTECHNOLOGY FOR INTENSIVE – FRESHWATER AQUACULTURE WASTEWATER REUSE" ABAWARE – 2016 Joint Call
13. Contract no.604/14.10.2019 of services within the project entitled- „Biodiversity conservation and nature protection by implementing the management plan of the protected natural area ROSCI0354 Platform Cotmeana, SMIS Code 119252, with the theme of Monitoring the quality and size of habitats of *Cwermabyx cerdo*, *Lucanus cervus*, *Morimus funereus* and *Bombina variegata* at the site, the maintenance of the habitat area 3260,3270,40C0,6430,6510,9130, 91E0, * 91 MO, 91YO through

measures to monitor the land use environment, the control of aquatic habitat pollution and the elimination of unregulated waste storage areas.

ENVIRONMENTAL IMPACT ASSESSMENT (impact on biodiversity)

1. S E AQUATERRA , Subcontract with ISPH (Institute for Study and Design collective hydro - environmental impact studies) , 1996 environmental impact study of spatial environmental product hidroenergetică Schitu - Golești , Arges County 1996 -1997 .
2. S E AQUATERRA 1996 ISPH subcontract research (Survey and Design Institute Group of Hydro - Environmental Impact Studies) , 1996 environmental impact study of spatial environmental product - river hydropower Rausor Fair , Lerești , Arges County .
3. S E AQUATERRA , 2005 Subcontract with SCGESA PROD , Comana , Impact on the environmental impacts of tourism planning product " European village Comana " .
4. S E AQUATERRA 2006 , Impact study in collaboration with ISPE , biodiversity impact assessment in wind parks Nucarilor Valley , Tulcea county .
5. S. E. Aquaterra , 2006 Impact study in collaboration with ISPE , biodiversity impact assessment in wind parks Nucarilor Valley , Tulcea county .
6. S E AQUATERRA , 2007 Subcontract research and achieving biodiversity impact assessment Croitoru Family Association , commune Călugăreni , village Crucea de Piatră , Jud. Giurgiu , carrying out the impact for mixed farming family and home and recreation recovery made by the family association and Croitoru Valentina Eugen Croitoru , May-September 2007 .
7. S. E. AQUATERRA , 2007 Subcontract with family association Ohreac Sandu , village Crucea de Piatră , impact studies conducted Making herb Farm Family Association Ohreac Sandu .
8. S. E. Aquaterra , 2007 Impact study in collaboration with ISPE study the potential impact of wind farms in the area Dorobanțu - Lights - Topology (Tulcea , Romania) on biodiversity.
9. S. E. Aquaterra , 2007 Impact study in collaboration with ISPE study the potential impact of wind farms and villages Văcăreni Isaccea (Tulcea , Romania) on biodiversity.
10. S. E. Aquaterra , 2008 Impact study in collaboration with ISPE study the potential impact of wind farm Medgidia - Ciocarlia (Constanța county, Romania) on Biodiversity , 2008.
11. S. E. Aquaterra , 2008 Impact study in collaboration with ISPE study the potential impact of the Cave Park Eolian (Constanța county, Romania) on biodiversity.
12. S. E. Aquaterra , 2009 Impact study in collaboration with ISPE , Study on impact of power plant construction 1 x 800mW Free Zone Galati on biodiversity.
13. S. E. Aquaterra , 2009 REPORT ON ASSESSMENT OF ENVIRONMENTAL IMPACT project establishment agro complex " Gurbani Valley " or "House Florin Părvu " .
14. S. E. Aquaterra , 2009 , Study on the potential impact of investment " Complex Project water supply , sewerage, road construction and cultural social structures in commune Călugăreni , Giurgiu " on areas of Community SCI -SPA Comana .
15. S. E. Aquaterra , 2009 , Study on the potential impact of intensive fish farming on species and habitats from the perimeter 0102 ROSPA Suhaia 2009 .
16. S. E. Aquaterra , 2009 Environmental Report on " natural area management plan Balta Suhaia Special Protection " .
17. S. E. Aquaterra , 2010 Subcontract SC KVBEconomic windfarm Socol - Study on the potential impact on wildlife .
18. S. E. Aquaterra , 2010 Subcontract SC KVBEconomic , monitoring and development monitoring report for the airport " Adunații - Copăceni " .
19. S. E. Aquaterra , 2010 Subcontract SC KVBEconomic , Feasibility study on implementation of rural wind farm boasts - Smulți - Crăiești - Orlești .
20. S. E. Aquaterra , 2010 Subcontract SC KVBEconomic Monitoring report Medgidia biodiversity in the South - Cave to build a wind farm .
21. S. E. Aquaterra, Adequate evaluation study for the investment work "Bridge over the Prut at Ungheni", ichthyological study 2015
22. S. E. Aquaterra, Adequate evaluation study and impact study for the investment project: Execution of the site organization with the temporary location of the concrete station and the asphalt station - technical documentation for the organization of the execution related to the investment: "Rehabilitation DN 18, Moisei - Iacobenii, for the remediation of the existing works and the completion of the remaining works to be executed: lot 3 Șesuri - Cărlibaba, Km 180 + 850 - Km 199 + 400" 2015 - 2016

23. S. E. Aquaterra, Adequate evaluation study for the investment paper "Establishment of water and wastewater infrastructure, in Verești commune, Suceava county" 2016
24. S. E. Aquaterra association with SC ALMA Group Research SRL, Adequate evaluation study for the investment paper "Establishment of the water supply system and sewerage system in Udești commune, Suceava county" 2017
25. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, Development of management plans for nine sport fishermen's associations, according to Order 60/2017 of the Minister of Agriculture and Rural Development 2017
26. S. E. Aquaterra association with SC ALMA Group Research SRL, Adequate evaluation study for the investment work "PUZ in order to remove from the agricultural circuit and the introduction in the built-up area of Hârșova of 30,591sqm in order to arrange a tourist agreement" May 2016 - July 2017
27. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, Realization of management plans for 3 sport fishermen associations, according to Order 60/2017 of the Minister of Agriculture and Rural Development 2018
28. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, for the Adequate Evaluation Study for the investment project: elaboration of the Adequate Evaluation Study (EA) aiming at the Exploitation activities of the mineral aggregates from the Condrea aval perimeter, Siret River watercourse, in view of clearing the riverbed June 2018 - December 2019
29. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, for the Presentation Memorandum for the project: "Updating the general urban plans and local urban regulations for the localities of Crevedia Mare commune, Giurgiu county" September 2018 - February 2020
30. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, Realization of management plans for an association of sport fishermen, according to Order 60/2017 of the Minister of Agriculture and Rural Development December 2018 - January 2019
31. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, for Adequate Evaluation Study for the project: "Modernization DJ 175A, km 5 + 100 - 12 + 760, Câmpulung Moldovenesc - Rarău, Suceava County" December 2018 - June 2019
32. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, for field investigations for Adequate evaluation study for the project "Bucharest - Giurgiu Railway Line" May - June 2019
33. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, for field investigations for Adequate evaluation study for the project: "Bacău - Pașcani High Speed Road" June - October 2019
34. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, for field investigations for "Studies for the realization of flood protection projects on the Tur river and some tributaries, respectively the Mureș rivers and tributaries" September - November 2019
35. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, for the investment project: elaboration of the Environmental Impact Report (RIM) regarding the activities of "Exploitation of mineral aggregates from the Condrea aval perimeter, Siret River watercourse, in order to clear the riverbed "November 2019 - March 2020
36. S. E. Aquaterra Contract for the provision of professional services with SC Ionașcu & Ionașcu, regarding "Ichthyological study of non-migratory fish" from the project "Technical assistance for reviewing and completing the feasibility study on improving navigation conditions on the common Romanian-Bulgarian Danube sector and complementary studies", coordinated by Halcrow Romania SRL in order to obtain the environmental permit January 2020 - July 2020. Beneficiary S.C.Jacobs and AFDJ Galați Giurgiu branch
37. S.E. Aquaterra, 2020 «Technical assistance for review and completion of feasibility study on improving navigation conditions on the common Romanian-Bulgarian Danube sector and complementary studies» Beneficiary S.C.Jacobs and AFDJ Galați Giurgiu branch
38. S.E Aquaterra, Report on the control of the extraction of natural mineral aggregates, sand and gravel developed within the project "Biodiversity conservation and nature protection by implementing the management plan of the protected natural area ROSCI 0354 Cotmeana Platform", 2021. Project owner: S.C. ROMDECA S.R.L

PUBLISHED WORKS

JOURNALS / PROCEEDINGS	Nr. crt.	TITLE / AUTHORS
Biotechnology Letters, Vol. 15, No. 11 (1993)	1.	Exopolysaccharide biosynthesis by a fast producing strain of <i>Aureobasidium pullulans</i> ; Misu Moscovici, Corina Ionescu, Ortansa Fotea, Corneliu Oniscu, Dorin Hanganu;
Biotechnology Letters, Vol. 18, No. 7 (1996)	2.	Improved exopolysaccharides production in fed-batch fermentation of <i>Aureobasidium pullulans</i> with increased impeller speed, Misu Moscovici, Corina Ionescu, Ortansa Fotea, Corneliu Oniscu, Dorin Hanganu
Roumanian Biotechnology Letters, Vol. 1, No. 2 (1996)	3.	Carbon dioxide production during pullulan biosynthesis related to fermentation dynamics, M. Moscovici, C. Ionescu, C. Oniscu, O. Fotea, LD. Hanganu
Roumanian Biotechnology Letters, Vol. 1, No. 3 (1996)	4.	Medium optimization for pullulan production by <i>Aureobasidium pullulans</i> ICCF-83, M. Moscovici, C. Ionescu, C. Oniscu, O. Fotea, LD. Hanganu
The proceeding of the 3rd Biotechnology Symposium organized by the Institute of Developmental Biology, Bucharest, March - April 1994	5.	Obtaining extracellular polysaccharides by biosynthesis with <i>Aureobasidium pullulans</i> of type PULLULAN, Misu Moscovici, Corina Ionescu, Ortansa Fotea, Paula Protopopescu, Dorin Hanganu;
	6.	Concentration and purification by UF of solutions of microbial exopolysaccharides and enzymatic solutions, Misu Moscovici, Corina Ionescu, Ortansa Fotea, Paula Protopopescu, Dorin Hanganu;
The annals ICPDD Tulcea, Symposium, 1996	7.	Reproductive biology of the pond chub (<i>Leuciscus borysthenicus</i> ssp. <i>Celesticus</i>) from Comana, Nicolae Craciun, Dorin Hanganu, Adrian Ionascu
The annals ICPDD Tulcea, Symposium, 1996	8.	Interspecific competition for cyprinids in limnic ecosystems - ethological observations, Nicolae Craciun, Dorin Hanganu
Annals of A.I. Cuza "from Iasi, Agigea Symposium, 1997	9.	Ethological research on fish in the Black Sea coast, Nicolae Craciun, Dorin Hanganu
Journal EXOTICA Bucuresti	10.	A new South American characid - <i>Inpaichthys kerri</i> , Lucian Dorin Hanganu, 1988
	11.	Studies on one of the smallest vertebrates in the world, <i>Heterandria formosa</i> , Lucian Dorin Hanganu, 1988
	12.	The use of peat in aquaristics, Lucian Dorin Hanganu, 1989
	13.	Dictionary of aquarium plants, Lucian Dorin Hanganu, 1989
The proceeding of the First Aquarium and Terrarium Symposium, Ploiesti, 1988	14.	Studies on the effects of several types of lighting on aquatic plants (wild environment & aquarium), Gabriel Veress, Lucian Dorin Hanganu
Scientific Annals of the "Danube Delta" Research and Design Institute - Tulcea: 195-205. 1997	15	Ethology research on coastal blenniids, Nicolai Crăciun, Adrian Ionașcu, Dorin Hanganu.
Scientific Annals of the "Danube Delta" Research and Design Institute	16	Researches of comparative ethology in the species from the Syngnathidae family from the Black Sea, Crăciun, N., Ionașcu, A., Hanganu, D., L.
Scientific Annals of the "Danube Delta" Research and Design Institute: 185-189.	17	Ethological research on cobites in Romanian fauna, Crăciun, N., Ionascu, A., Hanganu, D., L. 1998
ANNALS OF THE UNIVERSITY OF BUCHAREST - BIOLOGY YEAR III - 2003: 200-201.	18	Ethological research on two species of sturgeon from the Romanian fauna and the newly introduced species <i>Polyodon spathula</i> (North America), juveniles., NICOLAI CRĂCIUN, ADRIAN IONAȘCU, HANGANU DORIN. 2003

OTHER ACTIVITIES

PERIOD	ORGANIZATION	FUNCTION	FIELD OF ACTIVITY
1986 - 1993	Association of Singing and Decorating Exotic Bird Breeders, Aquarists and Terrestriests from Romania EXOTICA	Member of the Board of Directors of the Bucharest branch	<ul style="list-style-type: none"> - 1986-1989 - Lecturer at the Cycles of conferences on ichthyology and ethology of fish organized at the Museum of Natural History "Grigore Antipa" organized by the Exotic association in collaboration with the Museum; - Summer 1991, 1992 - Main organizer of the two aquarium and terrarium exhibitions in Herastrau Park in collaboration with the Central Library "M. Sadoveanu" Bucharest; - December 1992 - Specialization in fish ethology and aquaristics at the aquarium of the Museum of African and Oceanian Arts in Paris
1992 - 2021	Ecological Society for Protection Wild Flora and Fauna AQUATERRA	Founding member and vice president	<p>Project coordinator for the following funding programs submitted by Aquaterra:</p> <p>1993:</p> <ul style="list-style-type: none"> - "SOS Ecological Education Project - ECO - Romania" at AIDRom - Bucharest; <p>1994:</p> <ul style="list-style-type: none"> - "Establishment of the Permanent National Working Group on Endangered Plant and Animal Species and Protected Areas (Reservations and National Parks)" at AIDRom - Bucharest, Romania; - "Ecological Education Project on the Protection of Wild Flora and Fauna" at REC - REGIONAL ENVIRONMENTAL CENTER for Central and Eastern Europe - Budapest, Hungary; - "Ecological Program for Estimating the Biodiversity of the Coastal Area of the Romanian Black Sea Coast and Biodiversity Protection" at the PHARE Program for the Black Sea - London, England.
1991 - 1994	Popular University Bucharest	Student	Japanese language and literature course

04.10.2021

Lucian-Dorin Hanganu

