



Proiecte de cercetare realizate de colectivul centrului Eco-tehnologii avansate de sudare (2014 - 2020)

Proiecte de cercetare naţionale

Nr. Crt.	Tip proiect	Contract nr.	Titlu proiect	Director/ Coordonator UTBv	Perioada	Valoare tot. RON	Val UTBv RON
1	PN-II-RU-TE	349/2015	POLYOLEFINS AND CALCIUM WASTES RECYCLING BY OBTAINING NEW COMPOSITE MATERIALS	CROITORU CATALIN	2015-2017	549,999.00	549,999.00
2	PN-II-Partnership	188/02.07.2012	PERFORMANCE MATERIALS AND TECHNOLOGIES DESIGNED FOR ACHIEVING ASPHALT MILLING TOOLS - MATFREZ	DIVANAS DANIELA	2012 - 2015	2,410,000.00	350,000.00

Proiecte de cercetare interna ționale

Nr. Crt.	Tip proiect	Titlu proiect	Director/ Responsabil	Perioada	Vabare total Euro	Vabare UTBv Euro
1	EU-DG RTD SolarFacilities for the European Research Area (SFERA 3)	CORROSION AND WEAR RESISTANT COATINGS FOR AL PARTS USED FOR AEROSPACE APPLICATIONS	LUCA M HAI ALEXANDRU	2019	10,000	10,000
1	EU-DG RTD SolarFacilities for the European Research Area (SFERA 3)	SOLAR SYNTHESIS OF FUNCTIONAL CARBONACEOUS UNDER CONSTANT ELECTRIC CHARGE	STANCIU ELENA	2019	10,000	10,000
3	EU-DG RTD SolarFacilities for the European Research Area (SFERA 2)	IMPROVEMENT OF M D F CEMENTS PROPERTIES THROUGH METALLIC OXIDE COATING USING SOLAR ENERGY	BALTES LIANA SANDA	2016	10,000	10,000
4	EU-DG RTD SolarFacilities for the European Research Area (SFERA 2)	VACUUM BRAZING OF STAINLESS STEELS AND COPPER USING THE SOLAR RADIATION AS ENERGY SOURCE	LUCA M HAI ALEXANDRU	2016	5,410	5,410
5	EU-DG RTD SolarFacilities for the European Research Area (SFERA 2)	SYNTHESIS OF CARBON NANOTUBES USING SOLAR RADIATION AND Al ₂ O ₃ -Mn/Cu ₂ O CATALYST	PASCU ALEXANDRU	2016	7,300	7,300

6	EU-DG RTD Solar Facilities for the European Research Area (SFERA 2)	Al ₂ O ₃ /TiO ₂ CLADDING IN PRE-PLACED POWDER GEOMETRY USING CONCENTRATED SOLAR RADIATION	PASCU ALEXANDRU	2017	10,281	10,281
7	EU-DG RTD Solar Facilities for the European Research Area (SFERA 2)	CORROSION IMPROVEMENT OF FeCrAl ALLOYS DESIGNED FOR MOLTEN SALT REACTORS	PASCU ALEXANDRU	2017	8,000	8,000
8	EU-DG RTD Solar Facilities for the European Research Area (SFERA 2)	CORROSION AND WEAR BEHAVIOR OF NiCrBSi COATINGS FABRICATED BY LASER CLADDING	STANCIU ELENA MANUELA	2016	10,000	10,000
9	EU-DG RTD Solar Facilities for the European Research Area (SFERA 2)	RESEARCHES REGARDING THE INFLUENCE OF THE HEAT TREATMENTS WITH SOLAR ENERGY ON THE ALLOY STEELS PROPERTIES	CATANA DORIN	2015	6,233	6,233
10	European Research Infrastructure FP7-INFRASTRUCTURES-2011-1	HYDROGEN STORAGE PERFORMANCE OF DINK LIQUID-IMPREGNATED AEROGELS	CROITORU CATALIN	2015	8,000	8,000
11	EU-DG RTD Solar Facilities for the European Research Area (SFERA)	RESIDUAL STRESS RELIEF OF Ni BASED COATINGS FABRICATED BY LASER CLADDING	PASCU ALEXANDRU	2015	11,000	11,000
12	EU-DG RTD Solar Facilities for the European Research Area (SFERA 2)	MECHANICAL PROPERTIES IMPROVEMENT OF CU10AL LASER CLADDED ON ALUMINUM	ROATANUT CLAUDIU	2014	13,800	13,800
13	EU-DG RTD Solar Facilities for the European Research Area (SFERA 2)	IMPROVEMENT OF ELECTRIC CONTACTS CORROSION RESISTANCE	ROATANUT CLAUDIU	2014	13,700	13,700

Proiecte naționale internaționale realizate cu mediiul socio-economic

Contract nr.	Titlu proiect	Coordonator	Beneficiar	Val total (TVA incl, RON)	Perbada
11405 /21.09.2017	DETERMINATION OF CHEMICAL COMPOSITION AND MECHANICAL BEHAVIOR OF THE STEEL USED FOR THE CONSTRUCTION OF HUTCHINSON SRL BRASOV FACILITY	ROATA DNUT CLAUDIU	S.C.CERENG CONSULT SRL BRASOV	2,000	2017
8407/21.07.2015	STUDIES CONCERNING THE REAL TIME MONITORING OF LASER WELDING/CUTTING PROCESS	TEREAN MIREA HORIA	Delft Enterprises B.V	600,000	2015-2018
4452/17.04.2015	NEW METHODS FOR CUTTING METALLIC WASTE	BALTES LANA	Technische Universiteit Delft	22,000	2015
8330/16.07.2014	DETERMINATION OF THE OPTIMAL WELDING PROCEDURE FOR THE AUSTENITIC STEEL CREUSABRO 12%M	DIVANAS DANIELA	Arcebital Tubular Products Galati SRL	15,000	2014
17223/28.11.2013	RESEARCH REGARDING THE BASE MATERIALS USED/DESIGNED FOR THE ECO-MOUNTAIN SHELTER	BALTES LANA	Red Dome Shelter SRL Miercurea Ciuc	42,315	2013-2014

Coordonator Centrul de Cercetare Eco-Tehnologică Avansate de Sudare,

Conf.dr.ing. Alexandru PASCU

