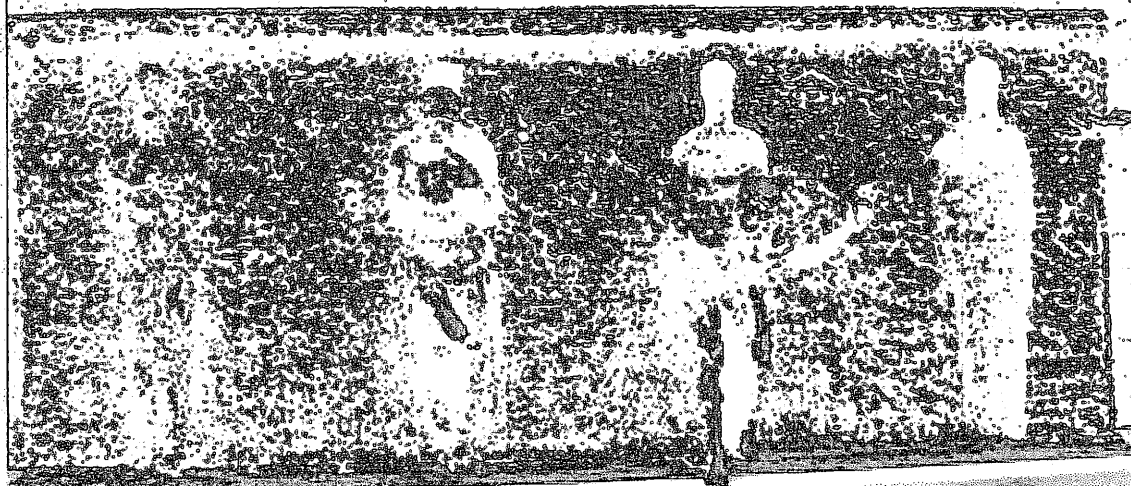


4th International Congress on Neurobiology, Psychopharmacology & Treatment Guidance

*Focus on patient
empowerment and rehabilitation*

ICNP2015



May 14th-17th, 2015

Agios Nikolaos Crete, Greece, Dessoire Hermes Hotel



INTERNATIONAL SOCIETY of NEUROBIOLOGY
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P54 Current aspects regarding the relevance of zebrafish studies in understanding the role of oxytocin in some neuropsychiatric disorders

Gabriel Plavan¹, Stefan Strungaru¹, Alin Ciobica¹, Manuela Padurariu², Mircea Nicoara¹

¹Department of Biology, Alexandru Ioan Cuza University Iasi, Iasi, Romania

²Gr.T.Popa University, Iasi, Romania

Background: Oxytocin is a nonapeptide hormone that is involved, besides its classical functions, in linking social signals with cognition, behaviors and reward. Also, it seems to have a critical role in the regulation of brain-mediated processes that are strongly relevant to many neuropsychiatric disorders.

Materials and methods: In this way, in the present paper we will try to describe the most important and modern aspects regarding the relevance of oxytocin administration in various animal models of neuropsychiatric disorders, as well as in human patients. Also, the relevance of zebrafish studies in this context will be extensively discussed.

Results: Thus, our group is recently interested in performing these type of studies on animal models of neuropsychiatric disorders in zebrafish, since well-being and survival in most of the vertebrates depends critically on social interactions, and disturbed social behavior is a key component of diseases such as autism, schizophrenia, depression and anxiety disorders or their similar behavioral manifestations. Moreover, lately the using of fish to understand the neurobiological substrates of behavior is gaining increased attention and actually it is believed and reviewed that although various neurotransmitter systems have been investigated in zebrafish, the dopaminergic system is by far the most widely studied and could serve to exemplify how brain and behavior studies in fish are useful for modeling relevant disease endophenotypes. Also, oxytocin can be found in most bony vertebrate species and exhibits a great evolutionary stability in its structure, as well as in the locations of main cell groups in the brain. In addition, zebrafish shares a fundamental pattern of neurodevelopment and functional brain organization with other vertebrates, including humans.

Conclusions: Fish models provide the opportunity for a substantial increase in the scale of experimental operation compared to rodents, enabling large-scale behavioral and genetic screens and rapid study of the effects of pharmacological and genetic perturbations during development.

Acknowledgements: This work is supported by the project Resources pilot centre for cross-border preservation of the aquatic biodiversity of Prut River, code MIS-ETC 1150, funded by the Joint Operational Program Romania-Ukraine-Republic of Moldova 2007-2013.

"Vasile Alecsandri"
University of Bacau
Romania

"Gheorghe Asachi"
Technical University of Iasi
Romania

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Italy

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Poland

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of Agricultural and Forestry Sciences
"Gheorghe Ionescu-Sișești"

Second International Conference on NATURAL AND ANTHROPIC RISKS - ICNAR 2014 4-7 June, 2014, Bacau, ROMANIA

Certificate of Attendance

Hereby certifies that

STRUINARU

SCUTERAN

has participated

at the **Second International Conference on NATURAL AND ANTHROPIC RISKS - ICNAR2014**
held in Bacau, Romania, between June 4 and June 7, 2014, where she/he presented the paper

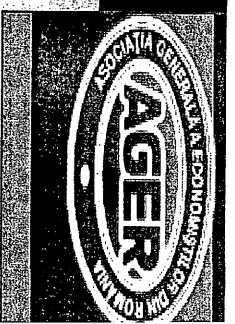
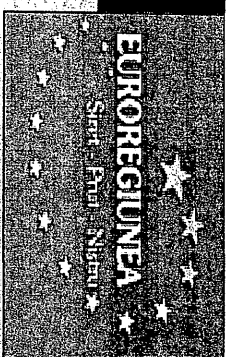
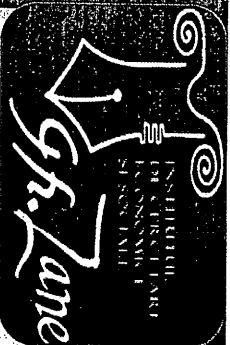
THE DEVELOPMENT AND PROGRESS OF WATER SUPPLY AND WASTE WATER TREATMENT IN ROMANIA




Ph. D. Mioara Mandea
Conference Chair


Prof. Ph. D. Valentin Nedeff
Rector of "Vasile Alecsandri" University of Bacau





Diploma

Awarded to Ms./Miss./Mr.

ȘTEFAN-ADRIAN STRUNGARU

in recognition of her/his participation in the International Conference

**SUSTAINABLE ECONOMIC AND SOCIAL DEVELOPMENT OF EUROREGIONS
AND CROSS-BORDER AREAS**

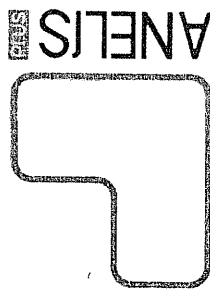
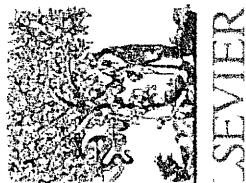
10th Edition, held on 27 June, 2014 in Bălți, Republic of Moldova

within CROSS-BORDER FORUM OF "SIRET-PRUT-NISTRU" EUROREGION, 2nd Edition



Teodor Dima
Director, *S. Zane*

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ScienceDirect & Scopus Training

Participation Certificate

Whereby confirm, that STRUHIGARU ȘTEFAN - ARIAN participated in the ScienceDirect and Scopus training on May 26th held at Alexandru Ioan Cuza University, Iași.

The participants gained insight into how to manage the information available on Elsevier's platforms, Open Access policies and licensees, journal metrics, how to choose the right journal to publish in and how to increase their visibility.

This training was organized in partnership with **ANELIS PLUS**

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DIPLOMA

"Limno-Ecological Summerschool", Potoci, Romania
3-rd Edition

24 August - 05 September 2009

We confirm that Mrs/Miss/Mr STEFAN ADRIAN STRUNGARU has
attended to Limno-Ecological Summerschool at Potoci, Romania, during 24 August - 05 September 2009
with good results.

School Directors

Prof. PhD. Karl ROTHHAUPT

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School Organizers

Prof. PhD. Wolfram KUTSCH

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UNIVERSITATEA
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CERTIFICATE

Universität
Konstanz



4th Limno-Ecological Summerschool Konstanz, Germany 2010

We hereby certify that STEFAN ADRIAN STRUNGARU has attended the
4th Limno-Ecological Summerschool at Konstanz, Germany from
August, 23rd to September, 3rd with good results.

Director

Prof. Dr. Karl-Otto ROTHHAUPT

Organizers

Prof. Dr. Ovidiu TOMA

Prof. Dr. Wolfram KUTSCH

The Department of Biology, University of Konstanz

Dr. Roland KISSMEHL

CERTIFICATE

This is to certify that

STEFAN-ADRIAN STRUNGARU

has successfully participated in the Erasmus Intensive Programme
"Ecological state of the lake during restoration measures"
held at

Adam Mickiewicz University in Poznan (Poland) from 1st to 15th of July 2012.

Coordination of the course organization: Faculty of Biology, Adam Mickiewicz University, Poznan, Poland
Partners of the course: Ecology-Centre, Inst. for Nature and Resource Protection, Christian-Albrecht University, Kiel, Germany
and Faculty of Biology, "Alexandru Ioan Cuza" University, Iasi, Romania.

The course programme is equivalent to 6 ECTS points.
(As a final evaluation participant achieved very good grade)



Dean of the Faculty of Biology
Prof. Bogdan Jackowiak



Education and Culture DG
Lifelong Learning Programme



Project coordinator
Prof. Ryszard Goldyn

[Signature]

Certificat de tolog marinara

Eu, Neptun zeu al apelor, montilor si oceanelor, slopan al rechinilor, scoanelor,
homarilor si a tuturor pestilor,

Certific ca pe data 22.07.2012, in pozitia N 45° 45' 50" E, L 29° 00' E
pamanleasut *Strungaru* a primit
bologul marit la bordul Navet de cercetare Mare Nigra.

De acum si din cate libera pe intinsul apelor si pentru ca tuturar
victualoarelor marine sa-i protejeze de furtuni, naufragii si pirati.

Comandant M/V *Mare Nigra*
Pau Constantin



Nachname, Vorname des Studierenden
Name of Student, First Name **Strungaru, Stefan-Adrian**

Matrikelnummer - Matriculation Number **851894**

Geburtsdatum und Ort - Date and Place of Birth **20.08.1989, Iasi**

Universität
Konstanz



Angestrebter Abschluss - Qualification **(0 cr)**

Hauptfach - Major **Biological Sciences**

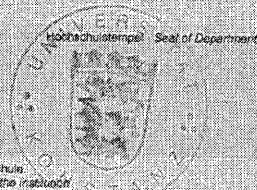
Fachbereich - Department **Fachbereich Biologie - Department of Biology**

Semester Term (1)	Titel der Veranstaltung Course Title	Note Local Grade (2)	ECTS-Credits ECTS Credits (4)
	Hauptfach: Biological Sciences Major: Biological Sciences		
	Sonstige Leistungen Additional Credit Points achieved		
W 2012	Advanced Course - Human and Environmental Toxicology (Lecture Course with Colloquium) (Vorlesung mit Kolloquium)	2,0	5,0
W 2012	Advanced Course - Human and Environmental Toxicology (Practical Course) (Praktikum)	2,0	10,0
W 2012	Advanced Course - Chemical Ecology (Practical Course) (Praktikum)	bestanden - passed	10,0
W 2012	Advanced Course - Chemical Ecology (Lecture Course with Colloquium) (Vorlesung mit Kolloquium)	1,0	5,0
W 2012	Deutsch-Intensivkurs A2/1 (Kompaktkurs) Intensive Course German A2/1 (compact course)	3,0	6,0

Datum - Date **27. Februar 2013 27. February 2013**

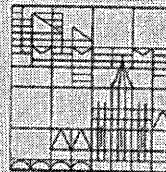
Fachbereich Biologie - Department of Biology

Dr. B. Strungaru
Prof. Dr. Strungaru



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Universität
Konstanz



Transcript of records supplement

Stefan-Adrian Strungaru has successfully taken

BIO-12270-20131 Applied research course for exchange students:

Plant physiology

ECTS: 15

Universität Konstanz

Fachbereich Biologie

Prof. Dr. Hendrik Köpper

Fach M631, Tel. (0 75 31) 88-41 12

78457 KONSTANZ

Germany

E-Mail: hendrik.kuopper@uni-konstanz.de

Course description: applied research course for exchange students is a flexible individual course that can be performed in any research group at the Department of Biology or affiliated institutions any time of the year upon individual arrangement.

The aim of the course is to give an opportunity to delve deeper into a subject, and to give insight into about how project work is pursued.

Teaching methods: students will, under supervision, as far as possible independently plan, implement and present the outcome of a delimited work in project format.

Learning outcome: students are familiar with the current scientific knowledge related to their research topic. Students are able to delimit and plan for the intended project, search for, evaluate and critically compile already available information in the field, chose appropriate methods for the survey, carry out the investigation, interpret and evaluate the obtained results in a proper way, present the obtained results orally and in writing.


Content:

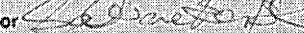
Laboratory work: Stefan Strungaru participated in analysing the effects of different metals in the physiology of *Ceratophyllum demersum* as a shoot model for metal sensitive plants. He applied UV/Vis absorbance spectroscopy for pigment analysis in complex mixtures and starch analysis, as well as atomic absorption spectroscopy (GF-AAS) for metals analysis. He furthermore assisted in spatially and spectrally resolved measurements in the fluorescence kinetic microscope (FKM), as well a polarographic measurements of oxygen exchange. Finally, he performed data analysis incl. statistics in the software Origin 8.5 and SigmaPlot 10.

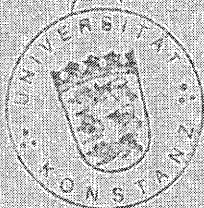
Literature studies: The participant found, read, considered and discussed literature related to his practical work.

Assessment

The participant gave a seminar talk with powerpoint presentation and submitted a written report.

Konstanz, date: 24/04/2013 Signature of the Supervisor  Hendrik Köpper

Konstanz, date: 24/04/2013 Signature of the Coordinator  Sabina Weiss



Analytik Jena AG,
certified to DIN ISO 9001:2008,
confirms that

Mr. Stefan-Adrian Strungaru

successfully attended the

application training session for HR-CS-AAS

from 23rd to 24th of May, 2013 in Überlingen,
Germany

Key aspects:

- The basics of graphite furnace-HR-CS-AAS
- Method development for simple and complex sample matrices.
- Application of spectral corrections.
- Data handling, applying the Aspect CS software.



Dr. Alf Liebmann
Manager Product Department Optical Spectroscopy

Jena, May 27th, 2013


CERTIFICATE OF ATTENDANCE

We hereby certify that

ȘTEFAN ADRIAN STRUNGARU

Has successfully attended

The 10th Edition of "Ecology and Protection of Ecosystems" Symposium
Bacău, Romania, during November, 7th – 9th 2013


Rector,
PhD Professor Valentin NEDEEE





Certificat de Participare

Simpozionul Național Studentesc "MIHAI DAVID"
Ediția a IV-a
22 noiembrie - 24 noiembrie 2013, Iași
pentru lucrarea științifică:

***Lead compounds in freshwater ecosystems during the last century; toxicity
and their effects on aquatic organisms and to the humans***

autor:
Strungaru Ștefan - Adrian
de la:
Universitatea Alexandru Ioan Cuza, Iași

22 noiembrie 2013

Director al Departamentului de Geografie
Universitatea "Al.I.Cuza" Iași
Conf.univ.dr.ing.
Doru Toader JURAVLE






PREMIUL I

Se acordă lucrării *Lead compounds in freshwater ecosystems during the last century, toxicity and their effects on aquatic organisms and to the human*

elaborată de **STEFAN-ADRIAN STRUNGARU**
- **secțiunea DOCTORAT**

prezentată în cadrul Simpozionului Național Studentesc "Mihai David", Ediția a IV-a, Iași-Rarău, 22-24 noiembrie 2013

Directorul
Departamentului de Geografie
Conf. dr. Ing. Doru Juravie Toader

Coordonator simpozion
Conf. dr. Ing. Iuliana Gabriela Breabăn



UNIONE EUROPEA



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posmediu

2007-2013

Investim în mediu. Credem în viitor.



Instrumente Structurale
2007-2013

CERTIFICAT DE PARTICIPARE

Se certifică faptul că doamna / domnul
STRUNGARU STEFAN-ADRIAN

a participat la programul de formare profesională

OPERARE INSTRUMENTE IT

desfășurat în perioada 10.12.2013 - 12.12.2013 organizat în cadrul proiectului

"Instruirea personalului implicat în gestionarea POS Mediu 2007-2013 privind pregătirea accesării

și implementării fondurilor europene în perioada 2014-2020"

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Mediu și derulat de Ministerul Mediului și Schimbărilor Climatice

în colaborare cu SC COREX & C.B. SRL

Nume și Prenume

Formator

Cezar Bațu

Administrator

PROIECT COFINANȚAT DIN FONDUL EUROPEAN DE DEZVOLTARE REGIONALĂ, PRIN PROGRAMUL OPERAȚIONAL SECȚIONAL DE MEDIU

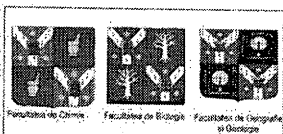
UNIVERSITATEA "ALEXANDRU IOAN CUZA" IAȘI
Școala doctorală de Chimie, Științe ale Vieții și Pământului



Diplomă de participare

Se acordă doctorandului ȘTEFAN STRUNGARU pentru participarea la
**WORKSHOPUL INTERDISCIPLINARITATEA ȘI MANAGEMENTUL
CERCETĂRII ÎN STUDIILOR DOCTORALE**

6 - 8 DECEMBRIE 2013



Stațiunea de cercetare și practică
studentească
"Ioan Gugiuman" Rarău

Director al Școlii Doctorale de
Chimie, Științele Vieții
și Pământului:
Prof. Dr. Univ. Gabi Drochioiu



UNIVERSITATEA „Alexandru Ioan Cuza” IAȘI, ROMÂNIA
FACULTATEA DE BIOLOGIE



POSDRU/89/15/S/49944
„Dezvoltarea capacității de inovare și
creșterea impactului cercetării prin
programe post-doctorale”

CERTIFICAT DE PARTICIPARE

la workshopul "Comunicare interculturală eficientă"
care a avut loc în data de 7.05.2012 se acordă cursantului:

ȘTEFAN - ADRIAN STRUNGARU

Trainer

Dr. Roxana-Iuliana TEODOR

Director executiv al școlii
doctorale

Acad. prof. dr. Constantin TOMA

Expert pe termen lung
POSDRU/89/15/S/49944
Conf. dr. Zenovia OLTEANU

Decan

Prof. dr. Mircea Nicoară

Centrul tău de carieră

CIPO



Centrul de Informare Profesională, Orientare în Carieră și Plasament - CIPO

Certificat de participare

Se acordă domnului/ domnișoarei STRUNGARU
STEFAN - ADRIAN pentru participarea la trainingul
"Introducere în managementul proiectelor" desfășurat în
data de 14 martie 2012.

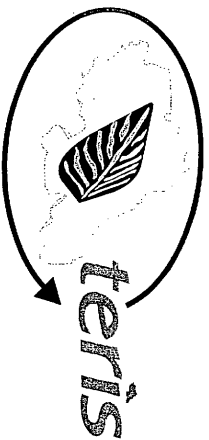
TRAINER:

MARICICA MIHĂILĂ

ȘEF BIROU CIPO:

ALMA ANDREI





Asociația Tinerii Ecologiști
Români din Iași



DIPLOMĂ

Dragă

.....**STRUȘARU ȘTEFAN**.....

Natura îți mulțumește că ai ajutat la vânătoria de balene!
Felicitări! Ești un exemplu pentru comunitate!

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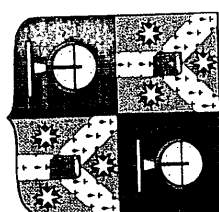
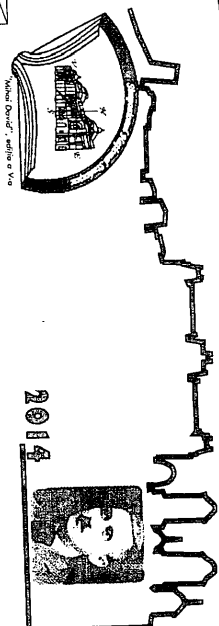
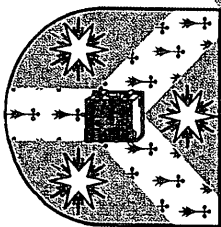


Președinte **Lucă Alexandru**
G.G. G.G.
Ionuț



Președinte Teris
Bibire Livia





Certificat de Participare

Simpozionul Național Studentesc "MIHAI DAVID"

Ediția a V-a

29 -30 noiembrie 2014, Iași-Rarău

Strungaru Ștefan-Adrian

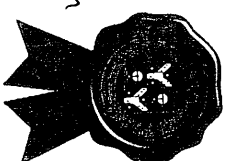
pentru lucrarea științifică:
„Human footprint on macroinvertebrates communities from Ozana River after crossing the
City of Târgu Neamț”
autori:

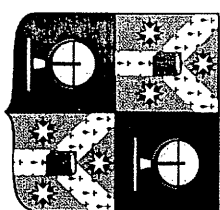
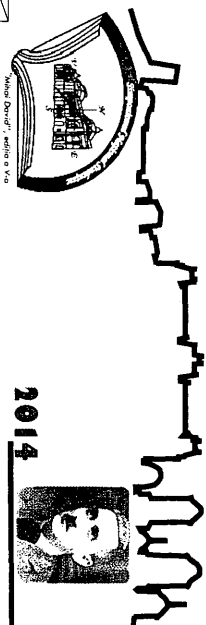
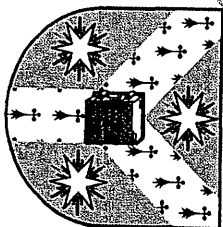
Nicuță (cas. Machidon) Dumitrița, Mantea Alexandra Mihaela, Strungaru Ștefan-Adrian
de la:

Universitatea „Alexandru Ioan Cuza”, Iași

29 noiembrie 2014

Director al Departamentului de Geografie
Universitatea „A.I. Cuza” Iași
Conf. univ. dr. ing.
Doru Toader JURAVLE





Certificat de Participare

Simpozionul Național Studențesc "MIHAI DAVID"

Ediția a V-a

29 -30 noiembrie 2014, Iași-Rarău

pentru lucrarea științifică:

"Cadmium - the silent killer from cigarettes, food and in aquatic environments"

autor:

Strungaru Ștefan-Adrian

de la:

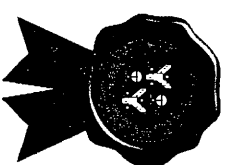
Universitatea „Alexandru Ioan Cuza”, Iași

29 noiembrie 2014

Director al Departamentului de Geografie
Universitatea „A.I. Cuza” Iași

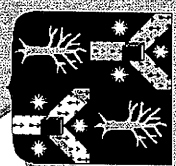
Conf. univ. dr. ing.

Doru Toader JUȚĂVILE





"Anastase Fătu" Botanical Garden
"Alexandru Ioan Cuza" University of Iași



Faculty of Biology
"Alexandru Ioan Cuza" University of Iași



Institute of Zoology
Academy of Sciences of M

CERTIFICATE OF ATTENDANCE

This is to certify that

Ștefan-Adrian STRUNGARU

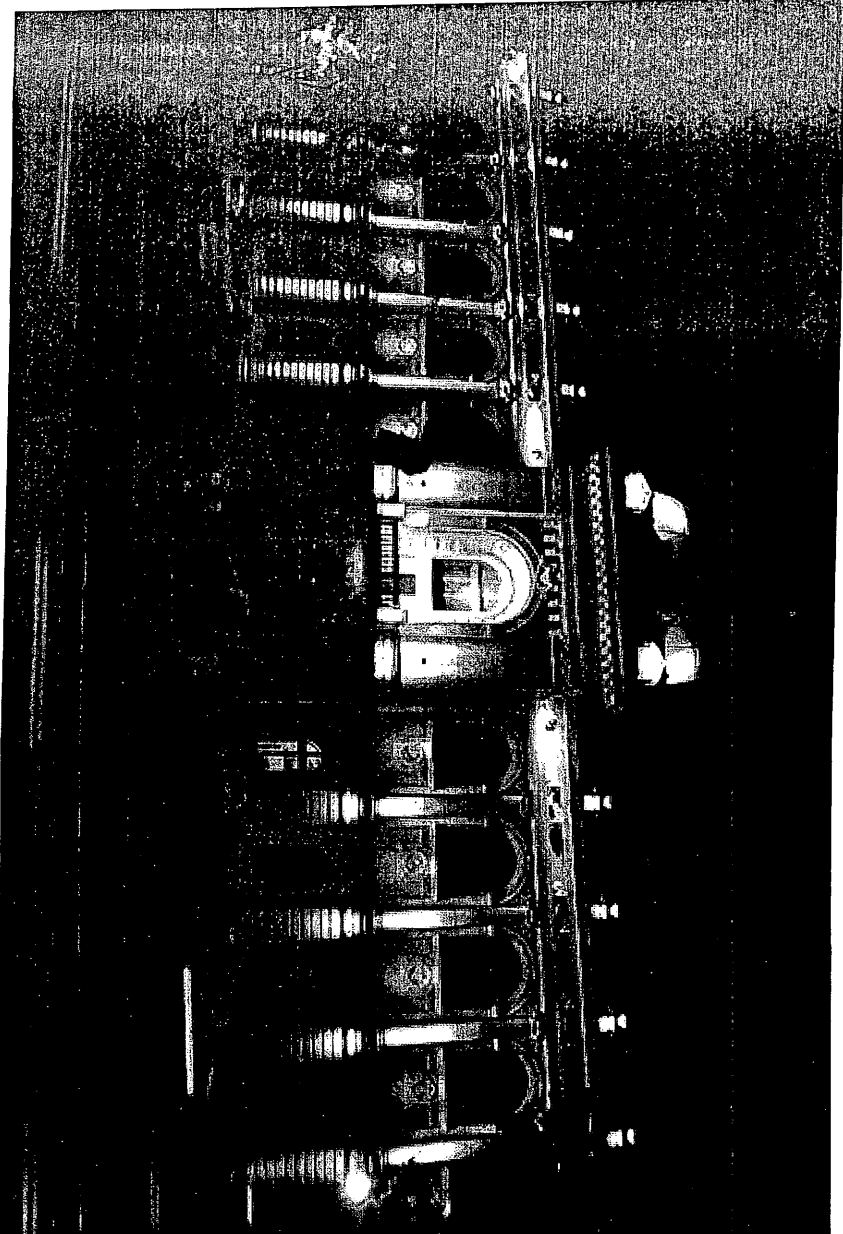
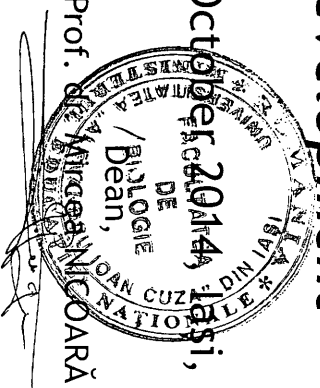
has attended the

**Faculty of Biology Annual
Scientific Meeting**

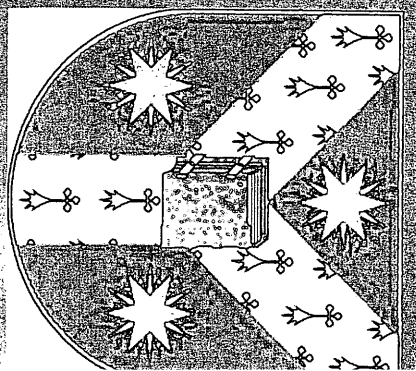
***Biodiversity conservation in
context of sustainable
development***

23rd - 25th of October 2014, Iași, Romania

Prof. dr. **MIRCEA NICOLĂ**



UNIVERSITATEA "ALEXANDRU IOAN CUZA" IASI
Școala Doctorală de Chimie și Științe ale Vieții și Pământului



Diploma de participare

Se acordă invitatului special: PHD STEEL LANGARU

pentru participarea la workshop-ul "ANALIZA STĂRII DE
DIN PERSPECTIVA INTER-SI TRANSDA
ANALITICE A POPULAȚIEI
PLINAR",
organizat în data de 18 ianuarie 20

Director al Școlii Doctorale de
Chimie și Științe ale Vieții și
Pământului

Prof. univ.dr. Gabi Drochiciu





UNIUNEA EUROPEANĂ



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Fondul Social European
POSDRU 2007-2013



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MINISTERUL
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OIPOSDRU

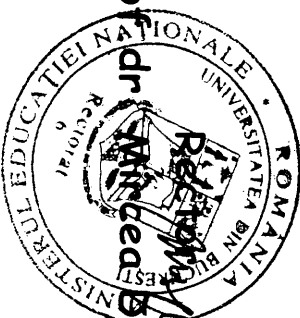
Investește în oameni!
Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013
Axa prioritară: 1 „Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere”
Domeniul major de intervenție: 1.5 „Programe doctorale și postdoctorale în sprijinul cercetării”
Titlul proiectului: „Programe doctorale și postdoctorale de excelență pentru formarea de resurse umane înalt calificate pentru cercetare în domeniile Științele Vieții, Mediului și Pământului”
Cod proiect: POSDRU/159/1.5/S/133391
Beneficiar: Universitatea din București
Parteneri: Universitatea „Al. Ioan Cuza” din Iași, Universitatea Babeș-Bolyai Cluj-Napoca, Universitatea de Vest din Timișoara, Institutul de Biologie și Patologie Celulară “Nicolae Simionescu”,
Universitatea de Vest “Vasile Goldiș” din Arad

CERTIFICAT DE PARTICIPARE

Se acordă d-nei/ d-lui **STRUŢĂRU ȘTEFAN**

care

participat la Workshop-ul de Promovare și Diseminare în Domeniul Dezvoltării Durabile și
Protecției Mediului organizat în perioada 11-14 decembrie 2014, la Hotel Palace din
Sinaia, în cadrul proiectului POSDRU/159/1.5/S/133391.



Prof. dr. **Mircea Blumitru**

Manager proiect,
Prof. Dr. Manița Costache



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„ALEXANDRU IOAN CUZA”
din IAȘI



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DE MEDICINĂ ȘI FARMACIE
din BUCUREȘTI



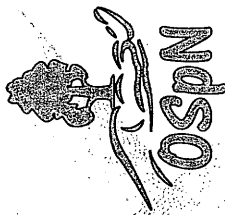
UNIVERSITATEA DE VEST
din TIMIȘOARA





1ST EDITION OF YOUNG RESEARCHERS IN BIOSCIENCE INTERNATIONAL SYMPOSIUM

CERTIFICATE OF ATTENDANCE

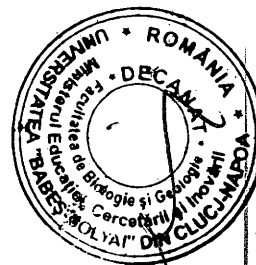


THIS IS TO PROUDLY CERTIFY THAT

STRUNGARU ȘTEFAN ADRIAN

*has attended the Young Researchers in BioScience - International Symposium,
held in Cluj-Napoca (Romania), July 23-27, 2014, at Babes-Bolyai University.*

Awarded on the 26th of July 2014.



Reader IOAN COROIU

Dean of the Faculty of
Biology and Geology



DONNA MEHES

President of OSPN