

## Curriculum Vitae

<b>Mbiemri / Main name as used in your publications</b>		<b>Emri / First name</b>	
<b>BUSHATI</b>		<b>Salvatore</b>	
<b>Datëlindja (dd,mm,vv) / Date of Birth (dd.mm.yy)</b>		<b>Vendlindja / Place of Birth</b>	
<b>26 May 1949</b>		<b>Tirana</b>	
<b>Profesioni / Profession</b>		<b>Pozicioni i sotëm në profesion / Present professional position</b>	
<b>Eng. Gjeophysics</b>		<b>Academy of Sciences, Scientific Secretary of Natural and Technical Sciences</b>	
<b>Grada më e lartë shkencore / Highest academic degree</b>		<b>Që prej cilës kohë e keni (viti) / Since when (year)</b>	
<b>Professor</b>		<b>1995</b>	
<b>Academician</b>		<b>2008</b>	
<b>Institucioni/departamenti ku jeni aktiv (adresa / telefoni, faks, e-mail) / Institution, Department/Institute(address / telephone, fax, e-mail)</b>			
<b>Akademia e Shkencave, Seksioni i Shkencave Natyrore dhe Teknike; Sheshi Fan S. Noli, nr.7, Tirane; Tel:++35542259657; Fax: ++355 42230305; <a href="mailto:sbushati@yahoo.com">sbushati@yahoo.com</a>; <a href="mailto:sbushati@akad.gov.al">sbushati@akad.gov.al</a></b>			
<b>Adresa private (qyteti, rruga, telefoni cellular, e-mail) / Private address (city, street, mobile, e-mail)</b>			
<b>Rruga KAVAJES, Pallati Gora, Kulla 1, Ap. 4, Tirane; Tel:++355422424906; Mob:++355682055393; <a href="mailto:sbushati@yahoo.com">sbushati@yahoo.com</a></b>			
<b>Njohuritë gjuhësore / Language ability:</b>			
<i>Shqip (native); Anglisht; Frengjisht; Italisht / Albanian (native); English, French, Italian</i>			
<b>1. 2. Edukimi parauniversitar / Pre-University Education</b>			
<b>Periudha (m, v.)</b>	<b>Shkolla e mesme / High School</b>	<b>Qyteti / Place</b>	<b>Emri i Institucionit / Name of Institution</b>
09. 1964 07. 1968	High School "Ismail Qemali"	Tirane	General High School "Ismail Qemali"
09. 1966 07. 1968	High School 2 years (after noon)	Tirane	Polytechnic School "7 Nentori"
<b>1.3. Edukimi universitar / University education</b>			
<b>Periudha (m, v.)</b>	<b>Universiteti / University</b>	<b>Qyteti / Place</b>	<b>Emri i institucionit / Name of institution</b>
11. 1970 07. 1974	University Polytechnic of Tirana	Tirana	Faculty of Geology and Mining
07. 1975	Universiteti Politeknik i Tiranës	Tirana	Faculty of Geology and Mining
09. 1983 05. 1984	University of Tirana	Tirana	Faculty of Natural Sciences (Informatics; Statistics, Probability)

04. 1983 06. 1984	University of Tirana	Tirana	Faculty of Natural Sciences (Numerical Analyses)
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**1.4. Edukimi pasuniversitar (Master/ Kand. Shk.; BVSH/ Doc.; Dr/ PhD;  
Prof.Asoc; Prof.)**  
*Postuniversity education (MASTER / Docent / Dr / PhD / Ass.Prof / Prof)*

*Ju lutemi shënojeni gradën sipas emërimit origjinal / Please give names of degrees as customary.*

<b>Periudha (m,v) Period</b>	<b>Tema Subject</b>	<b>Grada Degrees</b>	<b>Emri Institucionit Name of Institution</b>	<b>Vendi Country</b>
Februar y 15, 1988	"Regional study of the gravity field over the Internal Albanides used on the tectonic and metalogenic investigations"	Candidate in Science	Ministry of Education and Sciences	Tirana Albania
June 30, 1993		Doctor of Sciences	Ministry of Education and Sciences	Tirana Albania
Februar y 21, 1995		Professor	Ministry of Education and Sciences	Tirana Albania

**Detaje për temën e Dr.Shk./Ph.D / Details on thesis**

**Tema / Topic of thesis**

**REGIONAL STUDY OF THE GRAVITY FIELD OVER THE INTERNAL ALBANIDES USED ON THE TECTONIC AND METALOGENIC INVESTIGATIONS**

**Rezultatet / Conclusions**

The study was carried out in the framework of the nomenclature themes of the Council of Ministers on "Drawing the Tectonic Map of Albania at the scale 1:20000" and on "Drawing the Metallogenic Map of Albania at the scale 1:20000," as well as of some other ministerial themes.

This is a fundamental study that comprises a 14-year work of the author in which was presented for the first time a study of this kind, completed also with a scientific level in conformity with the best achievements of standards in the world and with innovations of gravitational fields and disciplines related to it, thus marking the beginning of a new era of gravimetric studies in Albania in conformity also with characteristics of geographical position as well as with complicated geological construction of the Albanides. Achievements of the study extend in many dimensions: the field of methods of completing the procedures of measurements, methods of processing the results of gravimetric measurements, methods of interpretation of results, the field of building algorithms and mathematical and calculating computer programs for this purpose, creating methodological and practical scientific bases of new studies, related to the problem, as well as valuable contribution that these studies made to the government tasks given for completing other fundamental (above-mentioned) studies of research importance and the scientific and economical development.

Thus, it was carried out for the first time covering of the whole territory of Albania with gravimetric measurements at the scale 1:200000 and it was realized the first gravimetric Map of Bouguer Anomaly of Albania at the scale 1:20000; it was built the National Gravimetric Network and there were completed its reference relations to the International Gravimetric Network, IGSN-1; it was compiled the mathematical model and the program for calculating the influence of Moon-Sun at any time and it was made possible the compilation of the Annual Catalog (tyear, month, day, hour an minute) of the gravitational attraction Moon-Sun; the Normal Field of gravitational force for Albania it was calculated for the first time; it was given for the first time the flow chart of processing the observed values of the change of Gravity by electronic calculators; it was studied the complete picture of density according to formation division of Albanides; the map of zoning of change of gravity, it was drawn etc.

The above problems have been treated in detail in the study, with theoretical solutions and mathematical modeling, associated also with analyses of advancement of world experiences in these fields. Owing to this study, a precious contribution was made in building in depth knowledge of Albanides helping in new interpretations and in-depth concept changes in the evolution of geology of Albanides on which are based in-depth interpretations in the field of earth sciences of Albanian and foreign researchers. A special place takes the treatment of ophiolitic formations as the key to the comprehensive geological structure of Albanides and their continuation to Dinarides to the north and Hellenides to the south.

The study includes 93 figures, 20 tables and 7 maps at the scale 1:500000, as well as a package of 25 main compiled computer programs, deposited in the Central Archive of Albanian Geological Service.

**Disertacioni është botuar plotësisht;**

*Complete thesis was published*

There is a summary book published with 30 pages accompanied with maps and graphics.

**Janë botuar pjesë të disertacionit (shënoni numrat e tyre në listën e botimeve)**

*Parts of thesis were published (give corresponding numbers in publication list)*

Until today there are a lot of references in: papers, presentations, studies and different monographies, MSc and PhD thesis, in and outside of the country, from the candidate and others.

**Specializimet/ projektet mbi 3 mujore jashtë shtetit / Previous or present study and research stays abroad of at least three months' duration**

<b>Periudha (m. v)</b> <i>Period (mm.yy)</i>	<b>Titulli i projektit</b> <i>Research project title</i>	<b>Emri i institucionit pritës</b> <i>Name of Institution</i>	<b>Institucioni që i është akorduar bursa</b> <i>Name of Institution that got the Grant</i>	<b>Institucioni akordues</b> <i>Institution financing the Grant</i>
I 15. 11. 1985 10. 08. 1986  (1 vit akad.)	"Earth Science Informatisations on the framework of the First National Informatics Network"	Universiteti 'Pierre Marie Kyri' Institute de Physique de Globe', Geomagnetism & Paleomagnetism Laboratory (Director Prof. Dr. Pierre Le Mouel)	Academy of Sciences, Institute of Informatics and Applied Mathematics (INIMA)	UNESCO
II 06. 05. 1993 22. 08. 1993 (3.5 muaj)	"The Unification of Gravity and Magnetism Surveing Parameters of Albania, Greece and other Balkan Countries"	Geophysical Department, Institute of Geology and Mineral Exploration (Director Dr. George Sideris, Former Authority of Greek Atomic Energy).	Center of Geophysical, Geochemical and Environmental Exploration	EU Program and Institute of Geology and Mineral Exploration

III 06 Tetor 2002 08 Nendor 2002	“The interpretation of the geophysical and geological deep modelling of Albanides”	University of Salzburg, Departement of Geology and Petrography. (Prof.Dr. Volker Hoeck)	Personal Application  Section of Natural and technical Sciences, Academy of Sciences, AI	CEEPUS Program. “Agency for International Co-operation in Education and Research”
IV 07. 05. 2003 08. 08. 2003  (3 muaj)	“The compilation of the First Catalogue of stations of Albanian Magnetic Network”	Institute of Geophysics and Vulcanology, (INGV), CNR, (Dr. Massimo Chiappini)	Personal Application  Section of Natural and technical Sciences, Academy of Sciences, AI	Institute of Geophysics and Vulcanology, (INGV), CNR
V 08. 10. 2006 26. 12. 2006 - 21.01. 2007 09.03. 2007 - 30. 04. 2007 13.07. 2007  (6.5 months in 2 years period)	“International Course: “High Level Course for Sustainability Strategies, Methodologies, Policies and Actions for central and Eastern Europe”	Venice International University, Italy;  The Regional Environmental Center for Central and Eastern Europe, Hungary;  Univeristeti European, Hungary;	Personal Application  Section of Natural and technical Sciences, Academy of Sciences, AI	EU Program Italian Ministry for Environment, Land and Sea;  The Regional Environmental Center for Central and Eastern Europe.

**Të dhena për projektet kërkimore gjatë specializimeve /**  
*Details on Research Project during specialisations*

**Projekti i kërkimit / Research Project**

**I - “Earth Science Informatisations on the framework of the First National Informatics Network”**

For completing the tasks of the UNESCO Project, in the Institute of Informatics and Applied Mathematics the first scientific research groups were created according to the fields consisting of computerists and mathematicians, as well as of specialists of different fields of science. These groups covered all fields of priority of science and economy of the country and beyond. This organization marked also an important concept step for the first time in Albania in research scientific institutions in the field of applied mathematics and informatics in IIAM.

In the framework of UNESCO Project for creating the first Computer Network, the group of earth sciences was qualified an academic year in France, in the Pierre Marie Curie. The one-year program of qualification foresaw introduction of mathematical and informatics methods into the earth sciences; preparation of algorithms and computer programs to create the database of geological, geophysical, geochemical, mining, etc. data, carrying out all the calculations, corrections, data processing, different modeling, interpretations, etc with mathematical and informatics methods of the time. This would be realized by means of qualification in the disciplines of earth sciences and those of informatics in specialized French institutions, as well as to transfer of technologies into Albania and their applications in the first Computer Network in Tirana, Albania, which was built by two powerful DPS-7, two mini-computers MINI-6 and a series of intelligent terminals spread in scientific and governmental institutions. It was also cooperated with well-known personalities in the field of earth sciences and in the field of geophysics, such as Prof. Pierre le Mouel – Director of IPhG, Prof. Pierre Pozzi, Prof. Aifa Tahar, computer scientists Dr. Armando Galdeano Betolaza, Dr. F. Ganglof, etc., in combination with the group of computer scientist G. Beqiraj, who at the same time fulfilled qualification for common tasks of the group, in the Center of Informatics Statistics in Fontbleau with Prof. Olea Materon, etc.

**Rezultatet e projektit / Project conclusions**

During this period we may mention these main achievements:

- Qualification in mathematical methods that were used in earth sciences (geology, geophysics, geochemistry, etc.) and their mathematical algorithms;
- Methods of creating databases in general and in earth sciences in particular and practical experience in the greatest institutions of France (Strasbourg; “Museum National D’histoire Naturelle, etc.);
- Introduction to basic concepts for programming in Fortran language and in those of calculators in use in our computer network (Algol);
- Unification of magnetic maps of German Federal Republic and Eastern Germany drawn in time and of different countries;
- Qualification through a course for training scientific directors for managing research, etc.;
- Qualification in theoretical bases and in observatories, a new field of geomagnetism and paleomagnetism;
- Methods of building an international network of basic gravimetric stations and creation of national ones;
- Use of remote sensing in geological sciences and in volcanological monitoring;
- Independent work in the Magnetic Station of Chombon De Foret, France;
- Drawing algorithms and software in response to completion of tasks chaged by the project and their compilation and use with real Albanian geological and geophysical data (gravimetric and magnetometrical ones, etc.);
- Creation of a rich bibliography in the field of earth sciences in general and in that of geophysical in particular;
- Transfer of new technologies in earth sciences and in those of informatics.

From the assessment of the group of experts of UNESCO in cooperation with ACTIM (Agence de Cooperation Techniques et Industrielle) it came out that the Research Group of Earth Sciences has reached realization of objectives of qualification with the evaluation *Excellent*. (*UNESCO Report, Archive of UNESCO and Archive of IIAM*).

**Projekti i kërkimit / Research Project**

**II - “The Unification of Gravity and Magnetics Surveing Parameters of Albania, Greece and other Balkan Countries”**

**Rezultatet e projektit / Project conclusions**

On the framework of this study was selected and established the unification parameters of Albanian, Greek, Italian, and Adriatic, Ionian Aegan seas gravity and magnetic maps. The gravity data base refer to these parameters;

The situation after the study was:

- The aeromagnetic surveys in Greece covered the land and sea zones, for different parameters in different epochs;
- In Albania the systematic ground measurement for the Total field, started since 1990. These measurement concerne only the Total field (T) and Vertical component (Z) (measured only at the Magnetic Network stations at 1990,4 epoch);
- Aeromagnetic measurements in Greece are taken in different time-periods and different height-levels;
- In Greece there are some magnetic and gravity white spots, towards the North Albania and FY Macedonia;
- The Bouguer Anomaly gravity map is unified, in the Greek-Albanian territories according the standard parameters;
- The aeromagnetic data for Greece are in map-state and ther is no database;
- The ground magnetic data of Albania are as a database without any data processing and unified standards;
- The gravity and magnetic data of the Adriatic and Aegen Seas are in map-state.

The main results carried out in the framework of the study are:

- Find the unified gravity and magnetic parameters;
- Digitalisation of the magnetic maps of Greece using image processing techniques tacking into account existing aeromagnetic maps;
- Calculation of the IGRF of each set of aeromagnetic measurement that have been taken in different epochs;
- Insert of the parameters values of the regional fields;

- Extract of the regional and residual fields;
- Cover of the "white zones" in Albanian and Greek maps by ground-magnetic surveys and carried out some regional ground-magnatic profiles accros principal structures in Hellenides and Albanides;
- Reduction of the ground-magnetic data in common height for Albania and Greece;
- The unification of the Gravity Base Station Networks of Albania with international Value Gravity transported from Gravity network of Greece (East Airport of Athens, Greece);
- Calculation for the first time the correct PGRF and IGRF for Greece and Albania.

This study was the first one in the region and a continuation of the research tarted since 1985 on the unifications of the magnetic maps of the both ex-Germanies. This research opens the new geological and geophysical perspectives over Ballkans countries.

Using this study the new interpretations could be made to reconstruct the geological evolution of Albanides, for deepest geology, mineral resources, hydrocarbons, geothermal fluids, etc, by the intercorrelation of all the unified existing geophysical and geological data in every country analysed. We could also re-establish the tectonic settings of major geological zones, and explaining the mechanism of geodynamic movements.

This study open the new possibilities to apply the new methodologies have been not used before in Albania and sourrounding countries.

### III – “The interpretation of the geophysical and geological deep modelling of Albanides”

#### Rezultatet e projektit / Project conclusions

After a long processing and interpretations of the geophysical data after the results of the first Gravity Anomaly Map of Albania and first Magnetic Anomaly Map of Albania compilations, using many geological models and a lot of paleomagnetic results carried out in the Albanian territory, it was needed to do the new joint geophysical and geological interpretations for the geological problems according the new geological (petrological) parameters.

In the framework of qualification of CEEPUS, this was made possible in two phases: in a 3-month study, with studies in Albania (2 months) and with a study period (one month) in the university of Salzburg, Austria. During application of the study in Albania it was worked also with the Austrian staff.

The study was supported: In measurements of samples collected in the ophiolitic area of Albanides (massifs of Vallamare, Voskopoje, Devoll, Shpat); In interpreting of geophysical-geological models realized by S. Bushati; In processing of petrophysical properties of ophiolitic areas (density and magnetism); In observation in the field in Austria; Round table with Austrian scientists of the problem; etc.

From the study main conclusions were reached:

In the territory of Albania there are an extensive assemblage of geological structure. The Albanides began their development in the Triassic on a Hercynian substratum, and were formed by the Alpine orogeny, between the Jurassic-Cretaceous to Quaternary, during four recognized tectonic phases: paleotectonic ( $J_3 - Cr_1$ ), tectonic ( $Cr_2 - Pg_2$ ), late tectonic ( $Pg_3 - N_1$ ), and neotectonic ( $N_2 - Q$ ). Thus in Albanides there are formations ranging from the Ordovician to the Quaternary, and the Albanides can be subdivided into two distinct orogenic zones: the Internal and External Albanides.

The paleomagnetic stage affected only the Internal Albanides and lead to the emplacement of ophiolites as shavings of the oceanic and continental crusts of the Adria or Adriatic plates. The external Albanides are only affected by the later phases. In this way the orogenic evolution migrated outward in time and space from east (Internal Albanides) to the West (External Albanides). Geological and geophysical regional studies have distinguished various tectonic zones.

By the gravity and magnetic investigations and joint interpretations there are many problems to resolve about the geological formations and their evolutions.

My scientific visit was very important and effective for my career to exchange the experience on the framework of the recent modern interpretation of the geological and geophysical results with the Austrian colleagues, to do some joint geological-geophysical interpretations for the ophiolitic formations and to know in detail the existing austrian infrastructure for a good collaboration by the programs and projects in the Earth Sciences and other disciplines in the science and technological development.

Projekti i kërkimit / Research Project

#### IV - "The compilation of the First Catalogue of stations of Albanian Magnetic Network"

Rezultatet e projektit / Project conclusions

All the work carried out in Albania, there were collected, studied and selected and the foreign literature related to the application of this project it was also studied. Magnetic Map of Italy and of coastal area around it was used, which was published by the National Institute of Geophysics and Volcanology of Rome.

All the data of geomagnetic measurements were subject to calculations and processing in accordance with respective methods. Results of measurements are recorded in the Catalog of Magnetic Measurements of RrKMSH.

Also, measurements of complete intensity of the geomagnetic field (T) and magnetic predisposition ( ) were made in 10 stations of Supporting Magnetic Network of Albania (Tirane, Elbasan, Pogradec, Korçe, Vlore, Sarande, Rubik, Shkoder, Kukes, Peshkopi). In these stations selected during the year 1994 by QKGjGj in cooperation with INGV of Rome have been made measurements of complete intensity of the geomagnetic field (T), its vertical component (Z) and its horizontal one (H), magnetic declination (D) and magnetic inclination (I). In the same way, measurements of complete intensity of magnetic predisposition ( ) and in 9 supporting points were made, in Librazhd, Lushnje, Fier, Memaliaj, Gjirokaster, Permet, Koplik, Puke, and Bulqize. Measurements were made dispersed in April, June and September.

The daily fluctuation of the full intensity was registered (2-5 min interval) in the base station of Tirana, at the Faculty of Geology Minings.

The measurements "T" were carried by protonic magnetometers MP-2 (Sxintrex, Canada) with sensitivity  $\pm 1\text{nT}$ , while "x" was measured with cap meter KT-S with sensitivity  $\pm 1 \times 10^{-3}$  unit S.I.

The interpretation of the data of full intensity of the Geomagnetic Field "T" measured during 1994 in 10 stations and 8 supporting points of the Base station of Magnetic Network of the Albanian are in general a bit different from the respective one measured during 2003. This expected difference, due to abnormal magnetic "fluctuations" within and outside earth is very small.

In spite of efforts carried out for the unification of the monitoring measurement conditions on the Base stations Magnetic Network, measurements in some days distributed in months needed to be repeated; The successive should be carried out by all means during a longer time and should have a continuous registration. This will complete the view on the change of the Magnetic field not only within the borders of the Albanian Territory, but also of the observation communities of the neighbouring countries.

A model for the magnetic field, related to 2000 epoch was built in cooperation with a group of scientists from the National Institute of Geophysics and Volcanology, Rome Italy, Academy of Science, University of Tirana, Department of General Physics and Geophysical Centre.

Geophysical – geological sections have been interpreted for some magnetic cross profile Wester – Eastern directions of Albanides, at scale 1:200000.

The study aim finished by the compilation of the First Catalog of the Stations of the Magnetic Base Network of Albania.

Station	longitude geographic ( )	longitude kilometric (Y)	latitude geographic ( $\lambda$ )	latitude kilometric (X)	Altitude (H)	Magnetic Field (T)
Tirane	41° 18' 55"	4576330	19° 49' 46"	4401975	127	46364
Elbasan	41° 06' 08"	4552500	20° 00' 44"	4417025	340	46294
Shkoder	42° 03' 03"	4658480	19° 29' 17"	4374825	85	46607
Sarande	39° 52' 30"	4416180	20° 01' 17"	4416275	193	45854
Vlore	40° 24' 00"	4475125	19° 28' 47"	4370925	10	46075
Pogradec	41° 03' 48"	4547705	20° 36' 47"	4467475	935	46225
Kukes	42° 04' 28"	4660130	20° 24' 46"	4451375	330	46698
Peshkopi	41° 40' 35"	4615940	20° 26' 02"	4452890	680	46225
Rubik	41° 45' 55"	4626400	19° 46' 56"	4398750	90	46778
Korçe	40° 37' 11"	4498450	20° 47' 34"	4482500	980	46148

The results of the study have been evaluated by the experts of NATO "Expert Visit" and the Institute of Geophysics and Volcanology (INGV-CNR), Italy.



Projekti i kërkimit / *Research Project*

**V - “International Course: “High Level Course for Sustainability Strategies, Methodologies, Policies and Actions for Central and Eastern Europe”**

Rezultatet e projektit *Project conclusions*

The main objective of the project outputs are:

- The concept of Sustainable Development - the relationships between “three pillars” (strategies, methodologies, policies and actions), role of the R&D in these process and how work fits them;
- Acquire tools to address problems from an SD perspective and think more creatively when planning and policy making;
- Gain knowledge of international (UN), regional (EU), and national strategies and initiatives for SD, and the legal and policy contexts at all levels;
- Understanding the concept of R&D of good governance and multi-stakeholder dialogue, and be able to communicate and take action;
- The role and responsibilities of firms of all sizes in development, and be able to cooperate with, and bring them in to SD process
- why it is necessary to use the S&TI in SD process;
- The dimension of climate change and related policy design;
- To be able to foster-through programmes and policies-socially and environmentally-responsible businesses
- Policies and market tools that will promote sustainability production in energy and industry;
- Local and global environmental and social externalities and how to internalise them;
- Impacts industry and energy production; Scientific argument in the science education and in community;
- The new area of the Energy: renewable energies and the role of the S&TI;
- The science in practice: quality of Life SD and Sciences and innovations;
- How to compile a national Program in R&D with a focus on SD: using science in practice....

This project was an important experience to be able to be qualitative on the science policy, compilation of the science strategy (personal/sectorial/ institutional/ national R&D programmes etc.)

**Supervizori në specializimet jashtë vendit / *Supervisor of Post- Graduate Studies***

<b>I</b> – Mbiemri/ <i>Last name</i> <b>Le Mouel</b>	Emri/ <i>First Name</i> <b>Pierre</b>	Institucioni/ <i>institution</i> <b>University ‘Pierre Marie Kyri’ Institute de Physique de Globe, Geomagnetism &amp; Paleomagnetism Laboratory</b>
Adresa <i>Street, P.O. Box, ZIP</i> <b>Univ. Piere Marie Kyri, Place Jussieu, Tour 22-24, Paris, France</b>	Vendi/ <i>Country</i> <b>France</b>	Qyteti/ <i>City</i> <b>Paris</b>
<b>II</b> - Mbiemri/ <i>Last name</i> <b>Sideris</b>	Emri/ <i>First Name</i> <b>George</b>	Institucioni/ <i>institution</i> <b>Geophysical Department, Institute of Geology and Mining Exploration</b>
Adresa/ <i>Street, P.O. Box, ZIP</i> <b>IGME, Messogion Street, Nr.70</b>	Vendi/ <i>Country</i> <b>Greqi</b>	Qyteti/ <i>City</i> <b>Athens</b>
<b>III</b> – Mbiemri/ <i>Last name</i> <b>Hoeck</b>	Emri/ <i>First Name</i> <b>Volker</b>	Institucioni/ <i>institution</i> <b>University of Salzburg, Department of Geology</b>

<b>Adresa /Street, P.O. Box, ZIP</b> <b>Universiteti i Salzburgut,</b> <b>Departamenti i Gjeologjise</b> <b>së Përgjitheshme.</b> <b>Salzburg, Austri</b>	<b>Vendi /Country</b> <b>Austri</b>	<b>Qyteti /City</b> <b>Salzburg</b>
<b>IV – Mbiemri/ Last name</b> <b>Chiappini</b>	<b>Emri/ First Name</b> <b>Massimmo</b>	<b>Institucioni/ institution</b> <b>Institute of Geophysics and</b> <b>Vulcanology (INGV), (CNR).</b>
<b>Adresa /Street, P.O. Box, ZIP</b> <b>Istituto di Geofisica e</b> <b>Vulcanologia, (INGV),</b> <b>CNR,</b> <b>Via Vigna Murata, Nr.605,</b> <b>Rome, Italia.</b>	<b>Vendi/ Country</b> <b>Itali</b>	<b>Qyteti /City</b> <b>Rome</b>
<b>IV – Mbiemri/ Last name</b> <b>Rasmussen</b> <b>Kerekes</b> <b>Chrenko</b> <b>Deri</b> <b>Montini</b> <b>Antypas</b> <b>Mnatsakanian</b> <b>Cherp</b> <b>Szabados</b> <b>Musu</b> <b>Filcak</b> ..... <b>38 Lecturers</b>	<b>Emri / First Name</b> <b>Carsten</b> <b>Sandor</b> <b>Milan</b> <b>Andrea</b> <b>Massimiliano</b> <b>Alexios</b> <b>Ruben</b> <b>Aleg</b> <b>Krisztina</b> <b>Ignazio</b> <b>Richard - Project Manager</b> .....	<b>Institucioni/ institution</b> <b>Venice International University, Italy;</b> <b>The Regional Environmental Center for</b> <b>Central and Eastern Europe, Hungary;</b> <b>Univeristeti European, Hungary;</b>
<b>Adresa /Street, P.O. Box, ZIP</b> <b>Universita</b> <b>Internazionale di</b> <b>Venecia, Isola San</b> <b>Servolo, Venecia</b> <b>Szentendre, Budapest</b>	<b>Vendi /Country</b> <b>Itali</b>  <b>Hungari</b>	<b>Qyteti /City</b> <b>Venecia</b>  <b>Szentendre, Budapest</b>

**Studime dhe kërkime jashtë shtetit, të mëparëshme apo të tanishme në të paktën tre muaj qendrim/**

Previous or present study and research stays abroad of at least three months' duration

<b>Periudha (m. v)/</b> <i>Period (mm.yy)</i>	<b>Titulli i projektit/</b> <i>Research project title</i>	<b>Emri i institucionit</b> <b>prités/</b> <i>Name of Institution</i>	<b>Institucionit që i është akorduar bursa/</b> <i>Name of Institution that got the Grant</i>
02.12.1985 10.12.1985	Hardware (DPS-7, Mini-6) dhe Gjuha Fortran	C.I.I.Honeywell Bull	Academy of Sciences, Institute of Informatics and Applied Mathematics (INIMA)
11. 12. 1985 21. 12. 1985	Potential Fields	Bureau de Recherche Geologie et Miniere (BRGM) (Prof.Dr. Nicole De Beglia)	Academy of Sciences, Institute of Informatics and Applied Mathematics (INIMA)
23. 06. 1991 30. 06. 1991	The international Gravity Networks and their elements	Technical University of Athens. (Prof.Dr. Lagios Evangelis)	Center of Geophysical, Geochemical & Environmental Explorations
13. 11. 1992 25. 11. 1992	Potential fields(Grav & Mag) data processing	University of Leeds, Geophysical Department, GETECH. (Prof.Dr. Derek Fairhead)	Center of Geophysical, Geochemical & Environmental Explorations

06. 10. 1993 22. 10. 1993	Gravity data processing of Albanian territory	University of Leeds, Geophysical Department, GETECH. (Prof.Dr. Derek Fairhead)	Center of Geophysical, Geochemical & Environmental Explorations
10. 09. 1994 16. 09. 1994	Advance Paleomagnetic Study	University of Leoben, 'Montan Universitat' (Prof.Dr. Dipl. Eng. Herman Mauritsch)	Center of Geophysical, Geochemical & Environmental Explorations
03. 05. 1994 04. 06. 1994	New Geophysical, Radiometry & Geothermal Methodologies	Aristotelian University Thessaloniki, Geophysical Department. (Prof. Dr. Gregory Tsokas)	Center of Geophysical, Geochemical & Environmental Explorations
04. 03. 1995 11. 03. 1995	GeoRadar methods using on civil engineering investigations	TerraMentor E.E.I.G. (President Dr. George Sideris)	Center of geophysical, Geochemical & Environmental Explorations
06. 04. 1996 19 .04.1996	Study of paleomagneticof Balkan ofiolites	Aristotelian University Thessaloniki, Geophysical Department. (Prof. Dr. Gregory Tsokas)	Center of Geophysical, Geochemical & Environmental Explorations
14.11. 1996 21.11.1996	Advance paleomagnetic studies	University of Leoben, 'Montan Universitat' Paleomagnetic Laboratory of Games.(Prof.DrRobert Scholge)	Center of Geophysical, Geochemical & Environmental Explorations
08. 09. 1997 13. 09. 1997	Environmental Management Course	National Environmental Agency	Center of geophysical, Geochemical & Environmental Explorations
23. 07. 1998 30. 07. 1998	International Magnetic networks	National Cousel of the Researche (CNR), Institute of geophysics & Vulcanology, (Dr. Massimmo Chiappini)	Center of Geophysical, Geochemical & Environmental Explorations
02. 02. 2000 13. 02. 2000	Study about the structure and tectonics of the bellt: Eastern part of Greece -Albania- middle Adriatic	University of Napoles, 'Federico-II' (Prof. Dr. Giuseppe Guzzetta)	Polytechnic University of Titana, Earth Sciences Department, Geophysical Section
08. 11. 2001 16. 11. 2001	Traininig for the compilation of the Enviornmental Action Plan in Albania	D'Appolonia S.R.L, University, Municipality, Genova, Italy	D'Appolonia

06. 10. 2002 08. 11. 2002	Study of geophysical & geological modelling interpretation for deep construction of Albanides	University of Salzburgut, Department of Geology and Petrography. (Prof.Dr. Volker Hoeck)	Personal Application  Section of Natural and Technical Sciences, Academy of Sciences, AI
20. 11. 2002 04. 11. 2002	Teknologjite e reja gjeofizike qe perdoren per investigimin e kontrollit te cilesise se ujit	TerraMentor E.E.I.G. (President Dr. George Sideris)	Section of Natural and Technical Sciences, Academy of Sciences, AI
03. 11. 2005 10. 11. 2005	“Avancimi i teknologjive të produkteve MALA”	TerraMentor E.E.I.G. (President Dr. George Sideris)	Section of Natural and Technical Sciences, Academy of Sciences, AI
18. 09. 2006 22. 09. 2006	“Application of the sustainable indicators in the coastal area: attainment of one ecological territory as a result of environment management”	Italian Ministry for Environment Land and Sea.  Ente Parco Regionale della Maremma.	Section of Natural and Technical Sciences, Academy of Sciences, AI
June 2007 and May 2008	“Progetto di Assistenza tecnica alla realizzazione ed alla gestione di un centro internazionale di scienze del mare in Albania (CISM)” INTERREG-III	CONISMA, Italia; Universita di Bari; Universita Politecnico di Bari; Universita di Milano; APA Puglia, etc.	Section of Natural and Technical Sciences of Academy of Sciences of Albania; Faculty of Natural Sciences of UPT; Ministry of Environment, Forest and Water Administration.
April 2007 and June 2008	WetSys “B”, Programe INTERREG-III	Regione di Ugente, Lece, Italy	Section of Natural and Technical Sciences of Academy of Sciences of Albania.
May 2006 April 2009	“Training of Young Researcher of Academy of Sciences (TRAINASA); FP6 Programe	GEONARDO Hungary	Unit of RTD&I Projects of ASA

**Karriera profesionale / professional career**

<b>Periudha/ duration</b>	<b>Institucioni publik ose privat/ Private or Public Institution</b>	<b>Vendi/ Place</b>	<b>Pozicioni / Position</b>
<i>Profesionale/professional</i>			
1974 - 1975	Geophysical Centre. Geological Survey of Albania	Tirana	Eng. Geophysics of Geophysical, Geochemical and Geological (GGG) Research Group “Study of Copper ore bodies at the iballa Area”
1975 - 1976	Geophysical Centre. Geological Survey of Albania	Tirana	Head of Research Group of Chromium Investigations
1976 - 1980	Geophysical Centre Geological Survey of Albania	Tirana	Head of Department of Geophysical Research “Chrome ore bodies investigation by complex geophysical methods”

1980 - 1995	Center of Geophysical Geochemical and Environmental Explorations Geological Survey of Albania	Tirana	Head of Department of Regional Geophysical and geochemical Researches.
1995 - 1999	Center of Geophysical Geochemical and Environmental Explorations (CGGE) Geological Survey of Albania	Tirana	Director of CGGE
1999 - 2002	Academy of Sciences	Tirana	Director of Unit of RTD Projects of ASA
2002 - 2008	Academy of Sciences	Tirana	Scientific Secretary of Section of Natural and Technical Sciences
2003 -	Academy of Sciences	Tirana	Editor in Chief of scientific periodical Journal Albanian Journal Natural and Technical Sciences (AJNTS)
2009-2013	Academy of Sciences	Tirana	General Scientific Secretary of Academy of Sciences of Albania.
2014-	Academy of Sciences	Tirana	Chairman of Section of Natural and Technical Sciences of Academy of Sciences of Albania.
Universitare / Education (në vend / in the country)			
1974 - 1978	University Polytechnic of Tirana Earth Sciences Department	Tirana	Assistant Pedagogue
1978 - 1992	University Polytechnic of Tirana Earth Sciences Department	Tirana	Lecturer
1992 - 2008	University Polytechnic of Tirana Earth Sciences Department	Tirana	Professor (Gravity, Magnetism, Physics of Globe)
2008 - 2011	Pro rector of University "ISSAT"	Tirana	Professor
Universitare / Education (jashtë vendit / outside of the country)			
06. 1990	Technical University of Athens, Department of Geophysics and Geothermy	Athens, Greece	Lecturer
11. 1993	University of Leoben, 'Montan Universitat'	Leoben, Austria	Lecturer
04. 1993	Institute of Geology and Mining Explorations	Athens, Greece	Lecturer
02. 2000	University of Naples, 'Federico – II'	Naples, Italy	Lecturer
06. 2001	University of Vienna, Department of Geology and Mineralogy.	Vienna, Austria	Lecturer
10. 2002	University of Salzburg, Department of Geology	Salzburg , Austria	Lecturer
11. 2002	Josef Stefan Institute, Slovenia	Ljubljana Slovenia	Lecturer

**Anëtarësia në institucionet e huaja shkencore /**  
*Memberships in foreign Scientific Associations*

1991-1994. Expert of International Scientific Group of Experts of International West-East European Gravity Map.

1991. Member of International Union of Geodesy and Geophysics (IUGG).

1991. Member of International Association of Geomagnetism and Aeronomy (IAGA)

1994. Member of World Magnetism Bank, Australian Geological Survey.

1994-1997. Expert of International Scientific Group of Experts, of Magnetic Field on the Framework of Magnetic Map of the World. University of Leeds.

1998-2004. Expert of Board of Regional of Environmental Centre of Europe, (REC).

1998. Member of Editorial Board of Journal of Balkan Geophysical Society.

2001. Member of International Network of Centres for Sustainability Development (INCSD) (*Slovenia, Croatia, Monte Negro, Albania, Macedonia, with presence of Greece and Serbia*).

2001. Expert of the Environment Action Plan of Albania. World Bank, Washington D.C.

2001. Regional strategy for hazardous waste management. Regional Environmental Reconstruction Program for SEE (REReP).

2002. Expert of GTZ for the Regional Sustainable Development of Tirana-Durres Region.

2002. Expert DAC Project: Capacity Building in Balkan Countries in Order to deal with Climate Change.

2002. Member of the UNESCO Board of Experts in Albania.

2002-2010. Expert of the Board of Global Environmental Facility Small Grants Programme, UNDP-Office.

2003-2006. Member of Steering Committee: ‘Med Wet Coast’ Project GEF-UNDP.

2002-2006. Expert of Research Potential in the Black Sea European Countries (BSEC).

2005-2006. Expert of the ‘‘Environment Impact Report of AMBO Project’’.

2004. Member of Editorial Board of Journal Contemporary Dialogues (Dialogo Oggi or Dialogu Sot) Publication of the Association ‘‘Catholic Institute of the Sciences of Social and Educative Activities Anton Luli’’ (since 2002).

2005-2007. Expert of Steering Committee National Action Plan of Pulling out and elimination of the sustainable organic pollutants. UNDP, GEF, Ministry of Environment, Forest and Water Administration of Albania.

2007. International Member of National Geographic Society. USA.

2006. Member of ProGjeo Association (nr.817605-8769), UPPSALA, Sweden.

2008. International Expert of the European Commission, Enterprise and Industry Directorate General, Directorate H; Aerospace, GMES, Security and Defence, Unit 4: Security Research and Development, BREY 9/162. BREY 9/162, BER-1049, Brussels.

2008. Expert to the Space Programme Committee for FP7: "Space Research and Applications.

2008. Expert of Science and Technology Report in the Western Balkans. See.science.eu (Group of Experts). Published by Dall E.

2010. Expert of FP7 Programe COOPERATION.

2009. Member of "International Counsel Scientific Union" (ICSU).

2010. Member of European Academy of Sciences. Salzburg, Austria.

**Anëtarësia në institucione të vendit**  
*Membership in the albanian institutions*

1975-1978. Member of Technical Council of Geophysical Enterprise.

1976-1999. Member of Scientific Council of Center of Geophysical, Geochemical and Environmental Explorations.

1976-1988. Member of Commission of Attestation of geophysical specialists.

1989. Member of Geophysical Section in Geological Association of Albania.

1984-1990. Member of the National Research Scientific Group of the Informatics Application to the earth sciences field (at INIMA, Academy of Sciences), on the framework of UNESCO initiative.

1992. Member of Geophysical Association of Albania.

1992. Member of Balkan Geophysical Association.

1992-1995. Vice Chairman of the Scientific Council of the CGGE, Geological Service of Albania.

1993-1999. Member of Scientific Council of the Institute of Geology, Mining and Mineral Technologies, Industry and Energy.

1995-1999. Chairman of Scientific Council of CGGE, Geological Service of Albania.

1995-2008. Member of the Executive Committee of the “Albanian Association of Geoscientists and Engin

1997. Chairman of Land-Air-Water (LAW) Environmental Association.

2000-2001. Member of National Environmental Strategy. Ministry of Environment.

2003-2007. Member of Scientific Council of Institute of Seismology.

2003-2006. Member of the Board of the Education Programme of SOROS Foundation.

2003-2007. Member of Scientific Council of Institute of Nuclear Physics.

2004-2008. Member of National Commission of Radio Protection.

2005-2008. Member of the Council of National Atomic Authority.

2006-2007. Member of Expert Group for the Restructuring of the Scientific Research.

2007-2007. Member of Council Group of the Compilation of Strategy for the Education and Research, Education and Sciences (dec.56, date 26.02.2007).

2007-2007. Member of Group for the compilation of the New Law of High Education and Science.

2007-2007. Chairman of the Expert Group for the compilation of the National Program of R&D (2007-2013). “Water and Energy”, Ministry of Education and Sciences.

2007. Member of the Environmental Technical Committee of General Directory of Accreditation.

2008. Member of the Technical Secretariat of Commission of Territory Arrangement of Republic of Albania.

2010. Member of Board of Agency of Research, Technological Development and Innovation.

2010. Member of the Expert Group “Scientific Research in the University” (MoES Project)

2010. Member of “Study for statement of coastal areas erosion and measures determination of their protection” (Government Project).

2015. Member of expert group of Add-hock Commission of the Water Administration with neighboring countries Monte Negro, Macedonia, Greece.

### **Njohje dhe çmime akademike e shkencore / Academic and Scientific Awards**

- “Medal of Work” (“MEDALJEN e PUNES”). ‘For Distinguished on the Compilation of the Geophysical Maps and New Geological Map of Albania at scale 1:200 000’. By the President of the Republic of Albania. Decr. Nr.6913, September 21, 1984, Albania.
- “Gold Record”. ‘In Honour of Career Excellence and Outstanding Contributions in International Science and Society’. 1997. By American Geological Society, United State of America.
- “Medal”. ‘In the honour of your Contribution to the Symposium’. 1 <sup>st</sup> International Symposium of BSEC Studies, 6 - 7 May 2005. By Georgian Ministry of Economy; Georgian Academy of Sciences and International Black Sea University.



-“Medal”. “For the Precious Collaboration” - from Italian Professors of the Institute of Research and Environmental Didactic” (Ireda, Naples- 21 April, 2011).

### **Fusha shkencore të kompetencës / Scientific Area**

#### **Earth and geophysical Sciences:**

- Engineering geophysics (since 1974);
- Application of mathematical methods in data processing and interpretation of geophysical information with the aid of computers, compilation of algorithms and programs for these purpose (since 1972);
- Application and base studies on the new geophysical methods, like that of Gravity and Magnetic (since 1974), and that of magnetic micro-survey (since 1975) in the exploration ore bodies mineral, like chrome and copper ore bodies;
- Regional geophysical Gravity studies (since 1980);
- Regional geophysical Magnetic studies (since 1981);
- Extension of the application field of the geophysical methods in the search for chrome, copper, asbestos, bauxite, placer of heavy, rare and precious minerals, in the study of geological engineering and hydrogeology; by the application of gravity and magnetics methods (since 1980);
- Magnetic network of Albania (since 1987);
- Magnetic mapping (detailed since 1975 and regional since 1978);
- Gravity network of Albania (since 1988);
- Gravity mapping (detailed since 1974 and regional since 1978);
- Paleomagnetic studies (since 1992)
- Geothermal studies (since 2001);

#### **Policy in S&TI:**

- Science Programming,
- National Programmes for Research Development and Innovations,
- Strategies, Methodologies, Policies and Actions on Sustainable Development expert
- Strategies of RTD&I (national, regional & international ones),
- Scientific country reports,
- Compilation of the project and management;
- Environmental Policy; monitoring, etc.

### **Projekte / Projects**

1981 – “Engineering Geological-Geophysical Study of Vuno Reservoir, Vlore.” Study group of reservoirs in karstic areas, at the Council of Ministers of Republic of Albania (co-author), Archive of Council of Ministers.
1981 – “Experimental Conclusions of Electrometric Works for the Study of Zagore Reservoir.” Study group of reservoirs in karstic areas, at the Council of Ministers of Republic of Albania (co-author), Archive of Council of Ministers.
1981 – “Conclusions of Engineering Geological-Geophysical Study of Zagore Reservoir.” Study group of reservoirs in karstic areas, at the Council of Ministers of Republic of Albania (co-author), Archive of Council of Ministers.
1982 – “Generalizing Methodical-Experimental Geological-Geophysical Works for the Study of the Reservoir in Karstic Area of Gruemire.” Study group of reservoirs in karstic areas, at the Council of Ministers of Republic of Albania (co-author), Archive of Council of Ministers.

1995 – “Final Report on Conclusions of Paleomagnetic Studies in Albania.” December 1995 (co-author), Archive of the Committee of Sciences.
1995 – “Report on Conclusions of the Study of Magnetic Properties of Ophiolites.” November 1995 (co-author), Fund of the Committee of Sciences and Technology.
1995 – “Paleomagnetic View on Geodynamics of Albanides.” December 1995 (co-author), Fund of the Committee of Sciences and Technology.
2003 – Frasheri A., Pano N., Bushati S., Çela B., Islami B., 2003. “Project-Idea on the Use of Geothermic Energy for Warming and Refreshment of Greenhouses.” UNDP-GEF SGP Program, Tirana, Archive of GEF Office, Tirana.
2003 – Frasheri A., Simaku Gj., Pano N., Bushati S., Frasheri S. 2003. “Project-Idea on the Exploitation of Geothermic Energy for Warming and Refreshment of Dwelling-Houses.” UNDP-GEF SGP Program, Tirana, Archive of GEF Office, Tirana.
1979 – Bushati S., Lena Q., Braçe A., Dema Sh., Dishnica V., Bresho T. (1979). Common Project on Research - Investigation of Mineralized chromium ore bodies at Pylli i Zi , Fusha, Ushtari, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1979 Bushati S., Dema Sh., Braçe A. (1979). Project of Complex Geological-Geophysical Works of the South-Eastern Part of Bulqize Massif (Northern Thekna – South of Batra). Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1980 – Bushati S., Braçe A., Dema Sh., Leka P., Dishnica V. (1980). Project of Complex Geological-Geophysical Works of the Northern Part of Ultrabasic Massif of Bulqize for the year 1980 and following, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1989 – Bushati S., Dema Sh. (1989). Project of Regional Magnetometric Works for Drawing the Magnetometric Map at the Scale 1:200000 of Republic of Albania, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1990 – Bushati S., Dema Sh. Project of Gravimetric Works for Searching Copper Mineral in the Areas of Rreshen, Vig and Fush-Arrez which will be carried out during the years 1990-1992, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1991 – Bushati S., Dema Sh. Appendix to the Regional Magnetometric Works for Drawing the Magnetometric Map at the Scale 1:200000 of Republic of Albania for the year 1991, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1992 – Bushati S., Dema Sh. Appendix to the Project of Magnetometry at the Scale 1:200000 for the year 1992, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1993 – Bushati S., Lulo A., Dema Sh. Appendix to the Project of regional Magnetometry for the Magnetic Map at the scale 1:200000 at 1994 year. Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1994 – Bushati S., Frasheri A. Project Program of Paleomagnetic Studies of Albanides in the Year 1994, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1995 – Bushati S., Lulo A. Project Program on the on-going Regional Magnetometric works for the Magnetometric Map at the Scale 1:200000 which will be carried out during the year 1995, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1995 – Bushati S., Dishnica V. Appendix to the project for Completing Some Gravimetric Profiles in the Support of the Complex of Methods for Finding of Karstic Holes in the Area of Bajza during the year 1994, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1995 – Bushati S., Frasheri A. Project Program of Paleomagnetic Works for the Year 1995, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1999 Bushati S., Dema Sh., Lulo A. Project on Geological Interpretation of Magnetic Map of Albania, year 2000.
1983 – Çili P., Lleshi S., Braçe A., Bushati S. Project on Complex Geological-Surveying Studies and of Chrome-Containing Prognosis of the Ultrabasic Massif of Shebenik (1983-March 1985), Albania. ISPGj.
1994 – Daja E., Bushati S., Minga I., Malkaj S., Kurti Sh. Project of Preliminary Geophysical Works for the Highway West-East, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1997 – Dhima K., Braçe A., Bushati S., Sharra Xh. Common Project on Research-Detection in the Source of Shesh-Bush and Search-Evaluation of Appearances of Minerals and Geophysical Anomalies Around, during the Year 1979, Albania. Geophysical Enterprise – Pogradec.
1989 – Imami S., Leka P., Hoxha L., Kasapi P., Bushati S., Alikaj P., Spaho M., Gjevrek Dh. Project of Geological-Searching Works for the Object “Black Cloud” drawn on the basis of the data of geophysical works carried out in this area, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
2003 – Bushati S., Lleshi Ll., Nenaj S., Dema Sh. Bilateral Project “Application of Advanced Techniques of Processing Geophysical Data in Exploring the Geothermal Field on Both Sides of the Greece-Albania Border in the area of Sarandaporos-Konitsa for the years 2003-2004, Albania, Greece, Academy of Sciences.

2004 – Nenaj S., Lleshi Ll., Bushati S., Dema Sh. Project II/2: Valorisation of the geothermal resources using the advanced technologies for the sustainable development of the neighbourhood region Albania-Greece: Sarandoporou- Konitsa. (2003-2004) Albania. Geophysical Center.
2006-2009 – Bushati S., Project of Assistance of Creation of the International Center of Sea Sciences (CISM). (Partner of ASA). Programe INTERREG-III.
2006-2009 – Bushati S., etc., Project WetSys “B”, Programe INTERREG-III.
2009 - Frashëri A., Çela B., Londo A., Bushati S., Pano N., Shtjefni A., Thodhorjani S, Liço R., Haxhimihali Dh., Tushe F., Kodhelaj N., Baçova R., Manehasa K., Poro A., Kumaraku A., Kurti A., 2009. <i>Qendra komplekse për shfrytëzimin modern kaskadë të ujërave gjeotermale të entalpisë së ulët</i> ;
2009 - Frashëri A., Çela B., Bushati S., Londo A., Shtjefni A., Kodhelaj N., Pano N., Thodhorjani S., 2009. <i>Burimet e energjisë gjeotermale në Shqipëri dhe platformë për përdorimin e tyre</i> (Pjesa I).
2009 - Frashëri A., Çela B., Bushati S., Londo A., Shtjefni A., Kodhelaj N., Pano N., Thodhorjani S., 2009. <i>Burimet e energjisë gjeotermale në Shqipëri dhe platformë për përdorimin e tyre</i> (Pjesa I).
2009 - Frashëri A., Çela B., Bushati S., Londo A., Shtjefni A., Kodhelaj N., Pano N., Thodhorjani S., 2009. <i>Platformë për energjinë gjeotermale në Shqipëri</i> , (Pjesa 2), Skenarët e shfrytëzimit të energjisë gjeotermale në të gjithë burimet dhe pusët e ujërave termominerale në Shqipëri.
2009-2010- Bushati S., etc., “Empowering and Strengthening of ASA”. InterAcademyPannel project, Trieste, Italy.
2009-2010- Bushati S., Frasheri N., Beqiraj G., Dema Sh., “Enhancing Education for the Longevity of Electronic Archives”, UNESCO Programe 2008-2009.
2010 – 2013 - Reci H., Bushati S., Allkja S. “ <i>Studim emergjent arkeologjik i kalase se Tiranës nepermjet teknologjive te reja gjeofizike te ERT dhe gjeoradarit. Programi Kombëtar për Kërkim e Zhvillim: Bioteknologjitë dhe Mjedisi</i> ”.(PKKZH, 2010-2013).
2010 – 2013 - Lamaj M., Avxhiu A., Bushati S., Moisiu L., Frasheri N., etj.,. “ <i>Aplikimi i teknologjise se Imazheve Radar (PSIn SAR) ne vleresimin dhe parashikim e integruar te fenomeneve gjeodinamike (Rreshqitje-subsidenca), me qellim zbutjen e pasojave, ne zonat urbane dhe turistike te rajonit Durres-Kavaje</i> .” Programi Kombëtar për Kërkim e Zhvillim: Teknologjitë e Informacionit”. (PKKZH, 2010-2013).
2009-2011 – Bushati S. <i>Fuqizimi dhe forcimi i Akademisë së Shkencave të Shqipërisë – rritja e kapacitetit konsultues të saj, “EASA-SAC”</i> (Empowering of Academy of Sciences of Albania-Strengthening - they Advisory Capacity), in the collaboration expertise with Turkish Academy of Sciences (TUBA), Macedonian Academy of Sciences and Arts Maqedonisë (AShAM) and Montenegro Academy of Sciences and Arts (AShAMN).
2009-2011 – Reci H., Bushati S. <i>Vlerësimi i rrezikut të dëmtimeve emergjente të monumenteve arkeologjike sipas përdorimit të metodave të reja gjeofizike</i> (Emergency damage risk assessment of Archaeological monuments in Albania by new geophysical methods) - EDRAAMG on the framework of TWAS tyo support young researchers. (Akad. Prof. Dr S. Bushati, Mentor of Dr. Reçi H.).
2010 – Bushati S., Frasheri N. <i>Arshivat Elektronike</i> (Electronis archives). UNESCO SG Project
2010-2012 - <i>Studimi i fushës gjeomagnetike të Tokës në rrjetin mbështetës magnetik, rivlerësimi i anomalive magnetike dhe përzgjedhja e vendndodhjes së Observatorit të parë Magnetik të Shqipërisë</i> ”, me drejtues nga Akademia e Shkencave, në kuadrin e Programit Kombëtar për Kërkim e Zhvillim (PKKZH, “Biodiversiteti dhe Mjedisi” 2010-2012).
2011 – Frashëri A., Bushati S. “ <i>Përdorimi i burimeve të energjisë gjeotermale në aklimatizimin e mjediseve publike: rast studimor e zbatues në një shkollë, Korçë</i> ” me koordinatore shqiptarë: Prof. Dr Projekti u zhvillua në kuadër të ndihmës së Ministrisë së Jashtme të Sllovenisë, në bashkëpunim me ASHSh dhe me Bashkinë e Qytetit të Korçës.
2011 – Bushati S., Koçi R., Dlioizzi E., Mazzini I. “ <i>Monitoring of evolution of the sediments in the Shkodra Lake since 2003</i> ”, në 07-11 Maj, 2011.
1990-2011 - GEOTEC group, LTD. Universiteti i Leeds, Angli, S. Bushati (from Albania). <i>Mediterranean Magnetic Project (EMMP)</i> , 2011.Special publication: Fletcher, Angli, 2011 etc.

<p>2012 - <i>Caratterizzazione chimico, fisica, ecotossicologica ed Analisi; Rischio ecologico di biocidi antivegetativi nel sud del mare Adriatico - CARISMA (Karakterizimi (kimik, fizik, ekotoksikologjik) dhe analiza; rreziku ekologjik i biocideve antivegetative në jug të detit Adriatik - CARISMA)</i>, on the framework of Bilateral Program Italy – Albania, leaded bu Monzo I. (Agenzia Nazionale per le nuove tecnologie, l'energia e sviluppo economico sostenibile - ENEA) Ambiente ed energia: Biocidi Antivegetativi; Ecotossicologia, Ecological Risk Assessment, in collaboration with Unita' Tecnica Tecnologie Portici, Laboratorio Chimica Ambientale, Napoli, Italia; Prof. dr. A. Tabaku (ISHP); Dr. P. Aleksi (Instituti i Sigurisë Ushqimore dhe i Veterinarisë); Prof. dr. P. Laze, (Fakulteti i Shkencave të Natyrës të UT); Akad. S. Bushati (Section of Natyral and Technical Sciences of ASA).</p>
<p>2012 - <i>BallkanGEONet—Ballkan GEO Network – including Ballkan countries on the incentives of Global Earth Observations.</i> (BalkanGEONet—Balkan GEO Network – Towards Inclusion of Balkan Countries into Global Earth Observation Initiatives); Project: 265176, FP7-ENV-2010. Co-director Prof. dr. I. Milushi, Dr. H. Reçi etc. (IGjEUM, UPT), with the support bord, Akad. S. Bushati (Section of Natural and Technical Sciences of ASA) dhe E. Canaj (national Agency of the Environment).</p>
<p>2012 – 2014. <i>Development of hydrological and hydraulic study of regulation of Skadar Lake and Bojana River water regime” – IPA Project/ 2012/287-023</i> (Montenegrin Academy of Sciences and Arts (partner lider) dhe Academyn of Sciences of Albania (partner). Albanian coordinator Akad. S. Bushati.</p>
<p>2012 - <i>National background report on energy of Albania (Report of analysis and evaluation of Energy Statement, the current and prospective profitability, liquidity and financial stability of energy system in Albania).</i> WBC – INCO.NET Programit - “Energy Research in the Western Balkans”, February – April, 2012, Akad. S. Bushati, A. Leskoviku, S. Dima, S. Theodorjani, P. Berberi, E. Agolli &amp; Aliaj B.</p>
<p>2012 – 2014. <i>SEE PhytoChem Network.</i> UNESCO Participation Programme Unit for the SEE region. Albanian partners: Akad. e asoc. E. Kongjika, Akad. S. Bushati (Section of Natyral and Technical Sciences of ASA) in collaboration with Prof. dr. P. Lazo (FShN, UT), Dr. S. Çeliku (private company).</p>
<p>2011-2013. <i>Western Balkans regional R &amp; D Strategy for Innovation”</i> World Bank Project. Assisted by European Unionit Europian. Albanian team: E. Mataj, K. Odeta, V. Ajazi, Akad. S. Bushati, E. Agolli &amp; D. Mezini; nëntor 2011 - maj 2013.</p>
<p>2012 - <i>Monitoring of evolution of the sediments in the Shkodra Lake since 2003.</i> E. Dliozi dhe I. Mazzini (Laboratori Paleontologjik i Universitetit të Romës-III) and Akad. S. Bushati (ASA) Dr. R. Koçi (IGjEUM, UPT).</p>
<p style="text-align: center;"><b>Studime / Studies</b></p>
<p>1992 – Mauritsch H. Report of the Second Paleomagnetic Campaign in Albania. Oct. – Nov. 1991. B. S. Scholger, Langore Ll., Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.</p>
<p>1994 – Mauritsch H. Report of the Paleomagnetic Works in Albania in the year 1994. B. S. Scholger R., R. Xhomo, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.</p>
<p>1994 – Mauritsch H. Report of the Paleomagnetic Campaign in Albania. B. S. Scholger R., R. Xhomo, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.</p>
<p>1989 – Prenga Ll. Report of Complex Works Carried Out in the Area of Micek, South of Dervish and Vana Lake during the years 1986-1987. K. A. Shima, Bushati S., Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.</p>
<p>1993 - Angelopoulos A. Final Report on the Results of the Investigation about the “Unification of Gravity, Magnetic and Radiometric of Albania, Greece and other Balkan’s.” Bushati S. Albania.</p>
<p>1982 – Avxhiu R. Report on Geophysical Works Carried Out in the Area Morine-Gjegjan-Perbreg during the years 1989-1990. L.P. BushatiS., Kulla A., Dema Sh. Albania. Geophysical Enterprise (today Department of Geophysics).</p>
<p>1976 – Bushati S. Report on Results of Geophysical and Geological Works Carried Out in the areas Kepenek-Village and Northern Kepenek in the years 1975-1976. Vincani F. Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.</p>
<p>1981 – Bushati S. Annex Report on Detailed Complex Geological-Geophysical Works Developed in the South-Eastern Part of Ultrabasic Massif of Bulqize, Sheshi i Çukes-South of Batra. D. S. Braçe, Disnica V., Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.</p>

1985 – Bushati S. Report on Creation of the Supporting Gravimetric Polygon for the Northern and North-Eastern Parts of the Country and the Album of Points of Supporting Network. Dema Sh., Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1994 - Bushati S. Paleomagnetism and Geothermics of Albanides. Report for Realization of Tasks Foreseen in the Working Plan and Financing for the Year 1994, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1988 - Zajmi A J. I. Bushati S. Report on Surveying Geophysical Works Carried Out in the Source of “Laku Roshit” in the Area No. 2, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1993 - Avxhiu R., Bushati S., Kasapi S., Nenaj S. Report on Results of Geophysical Search for the Study of Gravel Deposits of River Mat in the Sector Fushe-Kuqe-Tale, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1981 – Braçe A., Krifca A., Dema Sh., Bushati S., Dishnica A. Report on Complex Geological-Geophysical Works in the Area Southern Selishte-Dervish Lake at the Scale 1:5000, year 1980, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1981 – Frasheri A., Kasapi S., Kapllani L., Bushati S. Experimental Results of Regional Electrometric Works for the Study of Zagori Reservoir, Albania. Department of Geophysics (former Geophysical Enterprise), Tirana.
1989- Frasheri A., Bushati S., Lubonja L. Report on Results of Regional Experimental Magnetometric Observations from the Central Region of the Adriatic to the Internal Albanides, Albania. Faculty of Geology-Mining.
2006 - Bushati S. Country Profile of Research Potential: Albania. (Research Potential of the Black Sea Countries. FP-6). 2006.
2008 - Bushati S., Gjinko Gj. Science and Technology in Albania (Science and Technology in the Western Balkans, Edited by Elke Dall).
2008 - Academies of Sciences and the Transition to Knowledge Societies: Challenges and perspectives for the Academies of Eastern and South-Eastern Europe. (Co-author). Published by UNESCO Office in Venice – BRESCE. Nr.6, 2008
2006-2009 – Bushati S., Project of Assistance of Creation of the International Center of Sea Sciences (CISM). (Partner of ASA). Programe INTERREG-III.
2009-2010- Bushati S., etc., Study of “Empowering and Strengthening of ASA”. InterAcademyPanel project, Trieste, Italy.
2009-2010- Bushati S., Frasheri N., Beqiraj G., Dema Sh., Study of “Enhancing Education for the Longevity of Electronic Archives”, UNESCO Programe 2008-2009.
2012 - <i>Draft-Strategjia Kombëtare e Kërkimit, Zhvillimit Teknologjik dhe e Inovacionit (2016-2020)</i> , Y. Pango, E. Late, Akad. S. Bushati, E. Pustina, E. Agolli, A. Shahini & M. Bimo (Grup pune për përgatitjen e draft-strategjisë, MASH, Tetor 2012);
<b>Organizime shkencore / Scientific organisers</b>
2002 -The Strategy of the Sustainability Development: Scientific, Technological and Cultural Cooperation. Scientific Initiative of Italian Embassy of Tirana. International Conference – I. Tirana, 4-6 July 2002.
2002 - One National Alternative and Sustainable Plan of Tourism: Green Tourism and Natural Park. Scientific Initiative of Italian Embassy of Tirana. International Conference -II. Vlora, 12. 07. 2002.
2002 - Renewable Energy and Energetical Saving. Scientific Initiative of Italian Embassy of Tirana. International Conference - III. Shkodër 18-19.11.2002.
2002 - The Sustainable Management of Water (on shore and Seas) in Albania. Scientific Initiative of Italian Embassy of Tirana. International Conference – IV. Elbasani 30.11.2002
2002 - Albanian Archaeological Heritage: Problems and Perspectives. Scientific Initiative of Italian Embassy of Tirana. International Conference - V. Gjikë, 25.11.2002.
2003 - 2005. Wetland. Mediterranean Wetlands. Member of Steering Committee.
2003 - The Strategy of the Sustainability Development for Albania. Scientific Initiative of Italian Embassy of Tirana. International Conference. Tirana, 4-6 July 2002.

2004 - The Strategy of the Sustainability Development for Albania. The Valorisation of the Fish Products and Ihtiology in Albania: Research Technology and Markets. Scientific Inisiative of Italian Embassy of Tirana. International Conference. Tirana, 20.11.2004
2004 - The Strategy of the Sustainability Development for Albania. The Transboundary-8, a Challenge of the Construction of a Network System for the Development in the Balkan Area Scientific Inisiative of Italian Embassy of Tirana. International Conference. Tirana, 29.05.2004July 2002.
2005 – International Conference IDEASS Innovation for development and South-South Cooperation. Academy of Sciences of Albania, UNDP, ILO, UNOPS.
2005 – Scientific responsible of Academy of Sciences of Albania to the IAP Programmes (2005-in progress): Health Education of Women (Lead French Academy of Sciences); Capacity Building for Young Academies (Lead TWAS); Science Education (Lead Chilian AS); Water (Lead Brasilian AS); GMO’s (Lead Union of German of ASH); Acces to Scientific Information (Lead US NAS) and Biosecurity (Lead Accademia dei Lincei, It)
2008 – Seminar on Hidrogeological, Geological, Clima, Fauna and Vegetation Aspects in the Coastal Area, South Italy and Albania. INTERREG-III: Wet Sys Project. Ugento, Italy
2006 – Project “Teknika Europiane”, Programma INTERREG -III (A), "Rischio Sismico, Vulcanico e Idrogeologico". Lead Massini P. Albanian Scientific Coordinator Bushati S.
2006 – Project “Assistenza Tecnica alla Realizzazione e alla Gestione di un Centro Internazionale di Scienze del Mare in Albania (CISM)”. Leader Partner: Arpa Puglia. Progettazione del Centro (A) Leader coordinator Corselli C., and Albanian Coordinators, Bushati S., Dedej Z.
2006 – Project Wet Sys (B). Sustainable Management of Wetlands Systems in Italia and Albania. Leader Partner: Arpa Puglia. Leader coordinator Massini P., and Albanian Coordinator, Bushati S.
2005 – International Conference: “Quantification of Present-Days Tectonics of Albania, 2002-2008”. Organised by NATO-Science for Peace Programme, University of Savoie and Academy of Sciences of Albania (Bushati S.). Paris, 2005.
2002-2008 - Quantification of Present-Days Tectonics of Albania. NATO Science for Peace Programme, (Albanian-French collaboration) Director (Fr): Jouanne Francois; Director (Al) Prof. Dr. Eng. Bushati Salvatore and Co-Director Prof. Dr. Koçaj.
2003-2005 - Emergency Archaeological Research at "Via Egnatia", using new geophysical joint investigation methods, (On the framework of construction of 8 <sup>th</sup> -Corridor), (Albanian Greek collaboration), Director Tsokas Gregory, Thessaloniki, Greece.
2003-2005 - Reinterpretation of Geomagnetic Map of Albania, Bushati S., Koshe P., Dema Sh. Center of Geophysics, GSA, Tirana, Albania.
2005-2008 - Bushati S., Frasheri A., Nishani P., Alikaj P., Sulstarova E., Dema Sh. "Contributions for improvement of European application domains of the geophysics in Albania, on the framework of the Bologna Protocol", Academy of Sciences, Tirana, Albania.
2005-2006 - Bushati S. Gjipali I. Emergency Archaeological Research: The Map of the Cultural Heritage Risk of Vlora and its surroundings, Albania, UNESCO Program.
2006-2009 – Bushati S., Project of Assistance of Creation of the International Center of Sea Sciences (CISM). (Partner of ASA). Programme INTERREG-III.
2006-2009 – Bushati S., etc., Project WetSys “B”, Programme INTERREG-III.
2009-2010 - Bushati S., etc., “Empowering and Strengthening of ASA”. InterAcademyPannel project, Trieste, Italy.
2010-2013 - Frashëri A., Bushati S. “Vështrim gjeofizik mbi gjendjen fiziko-mekanike të digave të hidrocentraleve dhe të mjedisit gjeologjik përreth”. Programi Kombëtar për Kërkim e Zhvillim. (PKKZH), 2010-2013.
2010 - Anëtar i grupit ndërinstitucional të Punës, “Studimi për gjendjen e erozionit detar dhe për përcaktimin e masave për mbrojtjen ndaj tij”.
2010 - Bushati S. Monitoring Policy and Research Activities on Science in Society in Europe (MASIS). National Report Albania.
2010 - Bushati S. <i>Quality Assessment of National Reports (COWI)</i> – MASIS. (Quality management system of the first draft of the national reports of European Commission, Research Directorate-General, Brussels.
2010 - Bushati S. “ <i>Follow-up to Council Resolution on the Commission recommendation on the management of knowledge transfer activities and Code of Practice for universities and other public research organisations</i> ” (Questionnaire to CREST WG members).

2010 - Bushati S., Raco E. National Report: “ <i>Improvements of information systems in Albania</i> ” (during the period of November '09 to November '10). November.
2010 - S. Bushati, H. Islami, Dh. Haxhimihali, E. Kongjika, B. Resuli, B. Elezi; A. Kondili; N. Thereska; K. Rjepaj, I. Tolaj. Anetarë të Komitetit shkencor dhe Organizativ të Konferencës Shkencore Ndërkombëtare “Menaxhimi – Sfidë e sistemit shëndetësor”.
Bushati S., Vangjeli J., Kongjika E., anëtarë të Komitetit Shkencor të Konferencës Ndërkombëtare “ <i>Forest Policy and Reforms in Albania towards EU Standards</i> ” organizuar nga Akademia e Shkencave e Shqipërisë dhe Akademia Mbretërore Suedeze e Bujqësisë dhe Pylltarisë, Tiranë, 1-2 Nëntor 2011;
Bushati S., Haxhimihali Dh., Kongjika E., Malollari I. Anëtarë të Komitetit Organizativ të Konferencës Ndërkombëtare “ <i>Forest Policy and Reforms in Albania towards EU Standards</i> ” organizuar nga Akademia e Shkencave e Shqipërisë dhe Akademia Mbretërore Suedeze e Bujqësisë dhe Pylltarisë, Tiranë, 1-2 Nëntor 2011;
Bushati S. Anëtar i Komitetit Shkencor dhe Organizativ të Konferencës Ndërkombëtare “ <i>Euro-Mediterranean Medical Informatics and Telemedicine</i> ” (MMIT-2011), 7-th International Meeting, organizuar nga Instituti Ndërkombëtar i Telemjekësisë dhe Akademia e Shkencave, Tiranë, 10-12 Nëntor 2011;
Kongjika E., Bushati S., Malollari I., Haxhimihali Dh., Merkoçi A. Anëtarë të Komitetit Shkencor të Konferencës Ndërkombëtare “ <i>Biotechnological Developments</i> ”, ASH në bashkëpunim me FShN, UT, Tirana, 20-21 nëntor 2011;

**Pjesëmarrja në konferenca dhe simpoziume shkencore ndërkombëtare/  
Partecipation to international scientific Congress or Conferences**

Meeting about of the Albanian Geology (Colloque sur la Geologies de l’Albanie). 12 -13.04.1991. Paris, France
First Congress of the Balkan Geophysical Society. 23 - 7.09.1996. Athens, Greece
International Conference: The Day of EUREKA Programme. Bruxelles EUREKA Programme. MoES, Academy of Sciences. 11.05.2000. Tirana , Albania
Second Meeting of Experts of Strategies Development of Environment Technology. 27 - 0.06.2000. Bratislava, Slovakia
International Symposium: Sustainable Development of Prespa Region. 23 - 5.06.2000. Oteshevo, FYROM
International Conference: International Centres of Sustainable Development. Slovenian Academy of Sciences and Arts. 02.10.2000. Ljubljana, Slovenia
International Network of Centers for Sustainable Development. Academy of Science of Albania in the Internationak Network of Centres of Sustainable Development. Ljubljana, Slovenia. 22.11.2000
Conference on Energetical Policy of Consuming and Heating Efficiency Energy as a Important Factor to Support the Electroenergetical System in Albania. Tirana, Albania 15.02.2001
Indicators of Sustainable Industrial Development and Echological Optimization. UNIDO, International Centre For Sustainable Development (ICSD). Ljubljana, Slovenia 01 - 3.03.2001
Second Congress of the Balkan Geophysical Society. Istambul, Turkey 24 - 8.06.2002
37 <sup>th</sup> Annual meeting Northeastern Section. Spriengfie. Massachusetts. 25 - 7.03.2002
IGCP-Project Nr.256. Ophiolite genesis and Evolution of Oceanic Lithosphere. Working Group Meeting: Albanian Ophiolites: State of Art and Perspectives. Tirana, Albania 06 - 1.10.1992

Regional Meeting of IAEA Member States in Europe on the Technical Cooperation Programme. IAEA – Vienna, Austria 17 - 0.05.2004
Working Group of BSEC Conference research Potential of the Black Sea Countries. Athens, Greece 04 - 06.12.2004
Second meeting of Inter Academy Council of South East Europe (IAC-SEE). Beograd, Serbia, 17.05.2005
Regional Meeting of IAEA Member States in Europe on the Technical Cooperation Programme 17 - 0.05.2005, IAEA – Vienna. Austria
International Conference: National Action Plan of Pulling out and Elimination of the Sustainable Organic Pollutants. UNDP, GEF, Ministry of Environment, Forest and Water Administration of Albania. Tirana, Albania 20.05.2005
Implementation of the Sustainable Development Concept in South East Europe - The Research & Technological Development Perspective. Geothermal Energy Resources in Albania. Dubrovnik, Croatia 03 - 5.06.2005
Geophysical features of the Alpine Mediterranean Folded Belt, in the Albanides framework. SEG International Exposition and Seventy- Fifth Annual Meeting . Houston Texas, 06.11.2005
Renewable Energy Sources And The Possibility of Their Application. Budva. Monte Negro 07-08.11.2005
World Science Forum- Budapest 2005: Knowledge, Ethics and Responsibility. Hungarian Academy of Sciences. Budapest. Hungary 10 - 2.11.2005
Potential of the National Academies of Sciences and the role of Council of presidents – Priorities of the National Academy of Sciences. Athens. Greece 13 - 4.11.2005
Geant-2 – TERENA Workshop: Promoting research and Education Networking in Albania. Tirana Albania. 01.12.2005
International Conference on Climate Change. UNDP, UNEP. Tirana. Albania 13.02.2006
Working Group of BSEC Conference in Sciences and Technology. RTD Human Resources in Albania. Athens. Greece 20 - 2.02.2006
Working Group of BSEC. RTD Capabilities & Technological Specialisation Patterns of the BSEC Countries. Athens, Greece 21 - 2.03.2006
Second Conference of the National Academies of Sciences of the BSEC Member States. Antalya, Turkey 06 - 7.04.2006
International Conference: Completion of the Biosecurity National Framework. Tirana , Albania 03.05.2006
Regional Meeting of IAEA Member States in Europe on the Technical Cooperation Programme. IAEA – Vienna. Austria 15 - 8.05.2006
International Meeting: Inter Academy Council of SEE, Tirana Meeting. Tirana, Albania 10.11.2006
Global Modern trend: Came back to the nature. Today the increasing the evaluation and sustainable using of the aromatic medicinal vegetations. Academy of Sciences, Ministry of Education and Sciences, GEF/UNDP. Tirana, Albania 12.11.2006
Conference of Academies of Eastern and South-East Europe. Global Science and National Policies: the Role of Academies. International center for Sciences of UNESCO-BRESCE. Chisinau. Moldova 04 - 4.05.2007
Regional Meeting of IAEA Member States in Europe on the Technical Cooperation Programme. IAEA. Vienna, Austria 04 - 5.06.2007
Environmental features and Sustainable development of the Albanian and Apulian Wetlands. Wet Sys Project and University of Studies of Bari. Tirana, Albania 23.11.2007
Inter Academy Council of South-Eastern European Conference. Sarajevo, Bosnia-Herzegovina 25 - 7.11.2007
BSEC Conference: Policy issues in S&T. Athens, Greece. 07 - 8.12.2006



Week of Italian Science and Technology in Albania, "3S-Science, Society, Strategy", Initiative of Italian Embassy in Albania. Tirana, Albania 12.12.2006
Meeting on state up of the project of International Center For Sea Sciences In Albania. Tirana, Albania 28/2 -/03.2007
FP7 Get Conected: Opportunity and Chalange. EU.DG Science. and Education. Tirana , Albania 16.03.2007
Global Sciences and National Policies: the role of Academies. A conference of the Academies of Eastern and South-Eastern Europe. UNESCO-BRESCE, ALLEA, ICSU, ASM. Chisinau, Moldova 04 - 5.05.2007
Emerging Regional Co-operation. Southeast European Academies of Sciences and Humanities in the ERA', Netherlands, Amsterdam18 - 9.11.2007
International Conference: Innovative Joints Technologies for Landslide Investigation and Monitoring of Hazardous Areas. Academy of Sciences of Albania, Geological Survey of Albania, Slovenian Geological Survey with support of MoES. Tirana, Albania 22 - 7.11.2007
Rremote Sensing Technology Using For The Environment Investigation and Monitoring. InterUniversitary Department of Physics, University of Bari. Bari, Italy 29/1-1/02.2008
Wet Sys: Hidrogeological, Geological, Clima, Fauna and Vegetation Aspects in the Coastal Area, South Italy and Albania. Ugento, Bari, Italy 03 - 5.03.2008
CISM Program Albania-Italia. A Good Chance for the Oceanografic Sciences in Albania. 14-17 April 2008, Bari, Italy. Bari, Italy 14 - 7.04.2008
Conference on Science & Bussines Policy in Albania. Ministry of Education and Sciences, Academy of Sciences, University of Tirana, Polytechnic University of Tirana. Tirana, Albania 01.03.2008
Tenth Meeting of the central and Eastern European Network (CEEN). Bulgarian Academy of Sciences and the European Academy of Sciences and Arts (EASA). Sofia. Bulgaria 05 - 6.03.2008
Conference of the Balkan Universities Rectors: Bologna Process and University Research. Tirana Albania 28.03.2008
International Training Course of Programme on EU Project Development and Management. Tirana Albania 14-18.03.2008
European Week in Albania. Tirana Albania 02 - 9.05.2008
Towards Integration into the European Research Area. Tirana Albania 06 - 7.05.2008
70 <sup>th</sup> EAGE Conference & Exhibition. Rome , Italy 09 - 2.06.2008
Beqiraj G., Bushati S. <i>Science and Integrity - Strengthening Scientific Integrity: Towards a European Code of Conduct? The role of the European National Academies. Report to ALLEA Member Academies</i> , Amsterdam Hollande (2009);
International Seminar: Bilateral Cooperation Programme 2005-2007: Issues of the Programme development. Italian Embassy, Ministry of Education and Science. Tirana, Albania 06.06.2008
Bushati S., <i>Implementation of the BSEC Action Plan on Cooperation in Science and Technology 2005-2009 (part of Albania), presentation of the report of BSEC</i> , Athens, Greece 2009;
Bushati S., <i>Open Speech of Chairman of Albanian Geophysical Society, to 5<sup>th</sup> Congress of Balkan Geophysical Society, Belgrade, Serbia</i> (2009);
Bushati S., Proko A., <i>ANAEE Strategic Meeting</i> : in Naples, Italy (September 23-24, 2009);
Frashëri A., Bushati S., Pano N., 2010. <i>Geothermal energy resources in Albania and their management</i> . Academy of Sciences of Turkmenistan, International Conference "Problems of use of Alternative Energy Sources in Turkmenistan", Ashgabat, February 24-25, 2010.
Frashëri A., Bushati S., Pano N., 2010. <i>Climate change impact on Buna River Delta in Adriatic Sea</i> . International Conference "Shkodra Lake- actual situation and perspectives". Academy of Sciences of Albania, Academy of Sciences of Montenegro. Podgorica-Shkodra, 19-21 June 2010.

<p>Bushati S., Frashëri A. 2010. <i>Slope stability investigation and landslide monitoring in the framework of the emergency situation in Albania</i>. TWAS/IAP Workshop on The Role of Academies in Promoting Regional Cooperation in Science, Technology and Innovation (STI) in the Balkans 9-10 September 2010 Trieste, ITALY.</p>
<p>Frashëri A., Bushati S., 2010. <i>“Bologna” Model and Geophysical Formation in the Faculty of Geology and Mining</i>. SEG Denver 2010 Annual Meeting &amp; Global Theater, 17-21 October 2010, Denver, USA.</p>
<p>Frashëri A., Bushati S., 2010. <i>Outlook on the possibilities for slope stability assessment according to the petrophysical data</i>. SEG Denver 2010 Annual Meeting &amp; Global Theater, 17-21 October 2010, Denver, USA.</p>
<p>Frashëri A., Shtjefni A., Bushati S., Çela B., Kodhelaj N. 2010. <i>Platformë e shfrytëzimit integral dhe kaskadë të energjisë gjeotermale në Shqipëri</i>. Konferenca Bashkepunimi Shqipëri – Kosovë dhe zhvillimi i sektorit energjetik &amp; Konferenca V-të e Shoqatës Termoteknike Shqiptare, 22 -23 tetor 2010, Prishtinë, Kosova.</p>
<p>Frashëri A., Bushati S., Bare V., 2010. <i>Geophysical outlook on structure of the Albanides</i>. 6th Workshop of the ILP Task Force on Sedimentary Basins: Dynamics and active processes: the Albanian natural laboratory and analogues, November 8- 10, 2010, Tirana, Albania.</p>
<p>Silo V., Bushati S., Silo E., <i>Gas detection in the Peri-Adriatic Depression area by the true amplitude processing of seismic data</i>. 6th Workshop of the ILP Task Force on Sedimentary Basins: Dynamics and active processes: the Albanian natural laboratory and analogues, November 8- 10, 2010, Tirana, Albania.</p>
<p>Jouanne F., Mugnier J.L., Koci R., Bushati S., Matev K., Kuka N., Shinko I., Pasha M., Kociu S. <i>GPS constrains on current tectonics of Albania</i>. 6th Workshop of the ILP Task Force on Sedimentary Basins: Dynamics and active processes: the Albanian natural laboratory and analogues, November 8- 10, 2010, Tirana, Albania.</p>
<p>Bushati S., Jouanne F., Koçi R. <i>Përdorim et e GPS në studimet e tektonikës së sotme të rajonit të Liqenit të Shkodrës</i>. Konferenca Ndërkombëtare Shkencore: “Liqeni i Shkodrës – Gjendja dhe perspektivat, Podgoricë – Shkodër, 19-21 Qershor 2010.</p>
<p>Bushati S. <i>Kërkimi shkencor dhe aplikimet në praktikat prodhuese pjesë e misionit të veprimtarisë së Akademisë së Shkencave të Shqipërisë</i>. Konferenca Shkencore Kombëtare: “Rizbulimi i biodiversitetit autokton shqiptar – sfidë për vlerësimin e trashëgimisë bimore”. Organizuar nga Ash., Sh. Sh.S.P. dhe GEF. Tirana, Albania, 29.10.2010.</p>
<p>Beqiraj G., Bushati S. <i>Role of Academy of Sciences of Albania after the reform in providing evidence-based advice to government</i>. TWAS-IAP Workshop: “The role of Academies in promoting regional cooperation in science, technology and innovation in the Balkans”, Trieste, Itali, 9-10 Shtator 2010.</p>
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*Atlasi Gjeotermal i Shqipërisë dhe platforma e shfrytëzimit të nxehtësisë së tokës*. Akademia e Shkencave e Shqipërisë, Fakulteti i Gjeologjisë dhe i Minierave. Përgatitën për botim Frashëri A. (Kryeredaktor i botimit) dhe Bushati S. Botim i ASHSh.158 f.

#### **Aktivite të tjera studimore botuese / Other publication activity**

Bushati S. & Raco E. 2010. National Report: “*Improvements of information systems in Albania*” (during the period of November '09 to November '10). November 2010.

Bushati S. 2010. “*Follow-up to Council Resolution on the Commission recommendation on the management of knowledge transfer activities and Code of Practice for universities and other public research organisations*” (Questionnaire to CREST WG members), 2010.

Bushati S. 2010. Monitoring Policy and Research Activities on Science in Society in Europe (MASIS). National Report Albania, 2010.

Bushati S. 2010. *Quality Assessment of National Reports (COWI) – MASIS*. (Quality management system of the first draft of the national reports of European Commission, Research Directorate-General, Brussels, 2010.

Bushati S. 2010. Anëtar i grupit ndërinstitucional të Punës, “*Studimi për gjendjen e erozionit detar dhe për përcaktimin e masave për mbrojtjen ndaj tij*”, 2010.

Bushati S., Çela B. & Londo A. 2010. Grupi i redaktimit shkencor të Botimit: “*Burimet e energjisë gjeotermale në Shqipëri dhe platformë për shfrytëzimin e saj*”. Frashëri A., Kodhelaj N., 2010. Monografi, Botim i Fakultetit të Gjeologjisë dhe të Minierave, Universiteti Politeknik i Tiranës, Shtypshkronja KLEAN, Tiranë.

Bushati S. *Përpilimi i Fjalësit të Gjeologjisë në kuadrin e projektit të Enciklopedisë Shqiptare*. QSA. 2011. Tiranë.

#### **Përgjegjësi shkencor i botimit / Editor of Scientific Publications**

Editor in Chief (since 2002) of Periodical Publication of Journal “*Albanian Journal Natural and Technical Sciences (AJNTS)*”, English language, 2 time per year, 200 page, ASA Publish House, since 1996.

Member of Editorial Board (since 1999) of “*Journal of Balkan Geophysical Society*”.



Member of Editor Group (2001). “La Gestione delle Georisorse: il Contributo allo Sviluppo e le Interazioni con L’ambiente”. Academy of Sciences, Albania, University Politechnic of Tirana, University of Rome, ASA Publish House 2001.

Member of Editorial Board (since 2002).of Journal Contemporary Dialogues (Dialogo Oggi or Dialogu Sot) Publication of the Association “Catholic Institute of the Sciences of Social and Educative Activities Anton Luli”.

**Mësimdhënie në arsimin e lartë / High school teaching activity**

Bushati, S., Leksione në Programet “*Fushat Potencilale, magnetometria dhe gravimetria*”; “*Fizika e Globit*”; UPT;

Bushati, S. Leksione në Programin “*Shkrimi Akademik*” (Institucioni i Arsimit të Lartë “ISSAT”, Tiranë, Shqipëri);

**Licenca / Patents**

The patent is referred to the: *Polyparametric Sensor to Monitor, in real time, the Quality and the Quantity of the Pollution in Water Systems*. (A patent provide by the Greek Public Organisation of Industrial Property, April 2008 as a final product project: “*Development of an Innovative Monitoring Tool for the Quantitative and Qualitative Assessment of the Pollutants at the Agricultural Land of the Shkumbini river side, Lushnja District, in Albania*” carried out on the framework of the Bilateral Greek-Albanian Program in science and technology).