

International Conferences, Projects, Partnerships, Academic Events, Editorial Appearances¹

International Conferences

International Conference on Geometry and Global Analysis, Santiago De Compostela, 13-17 December 2010

In late 2010, between 13 and 17 December, the “*International Conference on Geometry and Global Analysis - Celebrating P. Gilkey's 65th Birthday*” took place in Santiago de Compostela. Santiago is the site of the University of Santiago de Compostela, established in the early 16th century. The main campus can be seen best from an alcove in the large municipal park in the centre of the city. Santiago de Compostela is the capital of the autonomous community of Galicia, Spain. *Santiago* is the local Galician evolution of Vulgar Latin *Sanctu Iacobu* “Saint James”. As for *Compostela*, folk etymology presumes it proceeds from the Latin *Campus Stellae* (i.e. “Field of the Star”). The legend that St James found his way to the Iberian Peninsula, and had preached there is one of a number of early traditions concerning the missionary activities and final resting places of the apostles of Jesus. Although the 1884 Bull of Pope Leo XIII *Omnipotens Deus* accepted the authenticity of the relics at Compostela, the Vatican remains uncommitted as to whether the relics are those of Saint James the Great, while continuing to promote the more general benefits of pilgrimage to the site.



The main purpose of the conference was to celebrate the contributions made by Prof. Peter B. Gilkey in Differential Geometry and Global Analysis. Peter B. Gilkey, Professor at Oregon University, who is now close to his 66th birthday, is one of the most important mathematicians of our time. He wrote 257 academic papers indexed by MathSciNet-American Mathematical Society, 120 being in ISI journals. He has 647 ISI citations and h-index 14, which is indeed impressive for mathematics (the *h*-index, sometimes called the *Hirsch index* was suggested by Jorge E. Hirsch, a physicist at University of California, San Diego, as a tool for measuring both

¹ International Conference, Projects, Partnerships, Academic Events, Editorial Appearances is a column coordinated by Prof.dr.ing Liviu Dumitraşcu

the productivity and impact of the published work of a scientist; *A scientist has index h if h of his N papers have at least h citations each, and the other $(N - h)$ papers have no more than h citations each*).

The conference consisted of a series of invited talks by researchers on Differential Geometry and Global Analysis whose research is related to the work of Peter Gilkey. The conference consisted in two parts. A scientific session took place at the Faculty of Mathematics of the University of Santiago de Compostela from Monday, 13th December to Thursday, 16th December 2010. In addition, there was an another session taking place at the University of A Coruña on 17th December, where Peter Gilkey's career and fascinating mathematical achievements was reviewed. The conference was attended by 82 mathematicians from 24 countries. Romania was represented by three universities: University of Bucharest, Alexandru Ioan Cuza University of Iasi and Petroleum-Gas University of Ploiesti. I had the honor to represent our University with the paper "*Slant immersions of quaternionic space forms*".



On 12 December, the mayor gave the conference participants the opportunity to visit not only the famous cathedral of Santiago, but also its roof. The cathedral borders the main plaza of the old and well-preserved city. Legend has it that the remains of the apostle James were brought to Galicia for burial. In 813, according to the medieval legend, the light of a bright star guided a shepherd who was watching his flock at night to the burial site in Santiago de Compostela (hence "Compostela" was given an etymology as a corruption of *Campus Stellae*). The shepherd quickly reported his discovery to the bishop of Iria, Bishop Teodomiro. The bishop declared that the remains were those of the apostle James and immediately notified King Alfonso II in Oviedo. To honor St. James, the cathedral was built on the spot where his remains were said to have been found. The legend, which included numerous miraculous events, enabled the Catholic faithful not only to maintain their stronghold in northern Spain during the Christian crusades against the Moors, but also to lead to the growth and development of the city. The city's Cathedral is the destination today, as it has been throughout history, of the important 9th century medieval pilgrimage route, the Way of St. James. In 1985 the city's Old Town was designated a UNESCO World Heritage Site.

Associate Professor Gabriel Eduard Vilcu
UPG Ploiești



AUF Meeting – “Eugen Ionescu” Scholarship Programme

The meeting took place at the headquarters of the French Higher Education Agency (AUF), in Bucharest, 1 Schitu Magureanu, on June 21, 2011. Representatives of all universities that are AUF members were present, and several participants spoke about “Eugen Ionescu” scholarship programme, namely: Mrs Liliana Ramaroso AUF-BECO regional manager, Mrs Victoria Popescu, OIF national correspondent of the Foreign Affairs Ministry, as well as Mrs Sanda Badulescu, Counsellor of the General Department for Higher Education of the Ministry of Education, Research and Sports.

It was introduced the “Eugen Ionescu” scholarship programme, launched on the 11th Summit of the Francophonie in Bucharest 2006. The programme has reached 300 scholarship winners so far, since 2007 since it effectively started. (Galati, Cluj, Suceava have already accepted scholarship winners, as it is shown in the diagram of the programme evolution in our country.) The main goal is to enhance the sustainable development in the countries from the southern Francophonie with a view to achieving cultural diversity.

In the beginning, the financial support started from 1 million Euro, and to this day it has gradually diminished to 500, 000 Euro. The number of 70 doctoral students per year has been maintained, as well as the calculation of the scholarship per month, not per individual. The programme tried to invest the money efficiently, regardless of the diminution of the investment. The main principles of the programme are: economy, excellence and transparency.

An important problem under discussion was the legal framework of foreign student registration in the Master programmes (as so far there are only doctoral and postdoctoral scholarships), as well as the fields of excellence. It was emphasized the fact that the first criterion of eligibility is the professional quality of the dossier.

Technical, organizational aspects have also been under discussion, regarding the means of registration, the period of accommodation, the requirements and standards of the host universities especially concerning the themes of research. The problems raised by the universities in a questionnaire administered beforehand have also been under focus with a view to enhancing the efficiency of the meeting in Bucharest.

In the second part of the meeting, Mrs Georgiana Rusu, head of “Eugen Ionescu” scholarship project, has synthesized the conclusions of the debate over the questionnaire suggesting solutions of improvement for the programme. Moreover, there have been anticipated some of the problems regarding the applications for 2011-2012 (the calendar for the registration call, the pre-registration procedures, scholarship features, the application file). Finally, Mr Petko Staynov, the Manager for the AUF-BECO scientific policy suggested the possibility of AUF devising some electronic magazines, to value the results of “Eugen Ionescu” scholarship winners.

As regards the implementation of the current scholarship programme at the Petroleum-Gas University of Ploiesti, we suggest the following directions:

1. identifying the topics of research that might be of interest for the potential AUF scholarship applicants, depending on the infrastructure (research laboratories) and teacher

availability (the activity performed by a doctoral student is different according to the teacher involved; it refers to what we call “research protocol”, which is stipulated by the letter of acceptance).

2. posting the main thematic areas to the site of the university, as well as the pre-registration conditions, the content of the file, the registration calendar, etc.

At the moment, we have five application for “Eugen Ionescu” doctoral scholarships in the field of organic and mechanic chemistry, as follows:

1. Dr. Chiozem David Deko, Univ. Yaoundé I – Researching the new antidiabetics from medicinal plants in Cameron and the synthesis of the structural analogies.
2. Ngwasiri Pride – Ndasi, Univ. Ngaoundere – Cameron – Exploration of the Microbial – Rhizosphere functions promoting the bioavailability/bioaccessibility and biodegradation of Polycyclic Aromatic Hydrocarbons (PAH) for the effective remediation of hydrocarbon contaminated sites.
3. Tchuemogne Tchuenté Marthe Aimée, Univ. Yaoundé I, Fitochemical study for *Pterocarpus milbraedi*, *Pterocarpus osun* (Fabaceae), *Quassia sanguinea* (Simaroubaceae) and the evaluation of their antimicrobial and antipaludic activity.
4. Brice Mitterand Mba'ning, Laboratory of Natural Products and Synthesis University of Yaoundé I, Fitochemical and pharmacological study for *Salacia camerunensis*, *Salacia dimidia* (Celastraceae) and *Crinum natans* (Amayllidaceae), three medicinal plants from Cameron and several reactions of hemi-synthesis.
5. Samon Jean Bosco, Ngaoundéré, Cameron, Modélisation et évaluation de la démontabilité d'un équipement par les chaînes de Markov.

PhD Lecturer Diana Rînciog

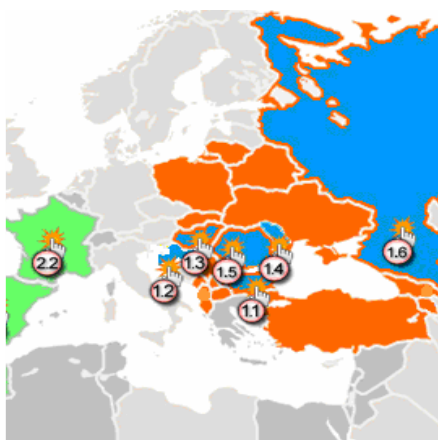
Projects

Ressources partagées pour l'insertion professionnelle des diplômés en Europe Centrale et Orientale (Reparti - Eco)²

Le contexte géographique du projet

Le contexte géographique du projet a comme base : La réalité géographique et institutionnelle particulière du projet RePartI-ECO ; L'évolution d'un champ d'enseignement centré sur l'insertion professionnelle (Figure 1).

² Projet AUF (Agence Universitaire de la Francophonie)



1. Europe Centrale et Orientale

1.1. Bulgarie

- Université de Technologie Chimique et de Métallurgie, Sofia

1.2. Croatie

- Université de Zagreb

1.3. Hongrie

- Université des Sciences Techniques et Économiques de Budapest

1.4. République Moldova

- Université Libre Internationale de Moldova

1.5. Roumanie

- Université « Transilvania » Brasov
- Université de Craiova
- Université Technique de Cluj-Napoca
- Université de Pitesti
- Université Pétrole et Gaz Ploiesti
- Université "Politehnica" de Timisoara

1.6. Russie

- Université de Finances de Saint Petersburg

2. Europe de l'Ouest et Maghreb

2.1. Espagne

- Université de Granada

2.2. France

- Université Paris VI
- Ecole Nationale Supérieure d'Arts et Métiers Paris

2.3. Maroc

- Université Abdelmalek Essaadi

Figure 1: Le contexte géographique du projet

Les objectifs

Les objectifs du projet sont : le renforcement dans toutes les universités partenaires de la fonction d'orientation, de gestion des stages et d'insertion professionnelle et le transfert d'expérience pour partager les résultats avec toutes les universités intéressées ; repenser l'orientation et l'information ; renforcer la dimension professionnelle de la formation; accompagner et favoriser l'insertion professionnelle sur le marché du travail.

Les groupes et publics visés

Les groupes et publics visés sont: étudiants, cadres didactiques, administrateurs d'universités, les universités partenaires, la communauté des spécialistes francophones, les acteurs des différents secteurs économiques, etc.

Les activités

Les principales activités proposées dans ce contexte sont :

- Mise en partage de documentation sur le site CONFRECO ;
- Organisation des Séminaires / Conférences thématiques métiers / Ateliers thématiques;
- Programme de stages professionnels;
- Rédaction du guide de l'insertion du diplômé;
- Formation des formateurs en accompagnement à l'insertion professionnelle;
- Enquête sur les stagiaires avant et après les stages;
- Interventions des professionnels dans les cours;
- Étude des expériences, identification des besoins de chaque université;
- Échanges d'expérience pour préparer l'organisation de forums d'entreprises dans chaque université ;
- Organisation des forums - ayant en vue l'expérience gagnée dans le cadre du projet;
- Enquêtes auprès de professionnels et auprès d'anciens étudiants;
- Mise en place d'antennes insertion professionnelle dans les composantes, spécifiques pour chaque faculté, domaine d'étude et niveaux de diplôme - Licence, Master et Doctorat.

Prof. Dr. Ing. Daniela Roșca,
Université de Craiova, Chef de projet

Prof. Dr. Ing. Liviu Dumitrașcu,
Université Pétrole et Gaz Ploiesti, Chef-adjoint de projet

Partnerships

Caspian State University of Technologies and Engineering Named after Sh. Yesenov

Mission of “Caspian State University of Technologies and Engineering named after Sh. Yesenov” from the Republic of Kazakhstan is the preparation and region maintenance with highly skilled specialists, scientific and scientific-pedagogical specialists flexibly capable to react to changes in the world and actively influence to scientific and technical, social and economic and cultural development of the region and of the Republic of Kazakhstan.

The institutes of “Caspian State University of Technologies and Engineering named after Sh. Yesenov” are the following: Institute of Marine Technologies, Institute of Oil and Gas, Institute of Economics and Law, Institute of Pedagogical Technologies, Institute of Professional Skill Improvement.

The *purposes* for the realization of CSUT&E named after Sh. Yesenov's mission are: to improve both the educational processes and the processes of administrative activity; to prepare highly skilled, competitive specialists for the modern labour market; to provide the steady growth of scientific-technical, social-economic and cultural development of the region.

Due to one of the Government programmes of education in the Republic of Kazakhstan the priorities in university development are as follows:

- development and implementation of the concept of access to education, based on the principle of availability;
- bringing up patriotic feelings, culture and respect for the individual's rights and freedom;
- improvement of specialists' training skills;
- participation in the unified educational space and achieving conformity of the Kazakhstan Republic's higher education with the world standards;
- integration of training with scientific research and manufacture;
- improvement of quality of educational-methodical and scientific maintenance of the educational process;
- strengthening the infrastructure of the university and cooperation with the advanced industrial organizations in the region, with leading domestic and foreign academic and educational institutions and centres etc.

The main strategic aim of the “Caspian State University of Technologies and Engineering named after Sh. Yesenov” is the achievement of high quality in education services and the development of priority directions in higher education.

Strategic problems are formulated for the activity of higher education establishments:

- increase of higher education establishment management, with a view to improving the educational and scientific processes and integrating the activity of structural divisions of the university.
- the creation and development of educational programs, meeting modern, advanced requirements, as shown to the higher education system;
- increase of faculty's professional level and pedagogical skill;
- improvement of conditions for students' development and education and increase of their progress;

- development of priority scientific directions of higher educational establishment's activity, aiming at improving the quality of graduates' preparation;
- creation of a system of motivation, stimulating search for new budgetary and off-budget sources of financing, participation of university employees in competitions for grants and projects on the domestic and foreign market;
- the supply of educational and scientific processes with all kinds of material and intellectual resources.

On 4 September 2011, Petroleum - Gas University of Ploiesti was honoured to receive a delegation of Prof. Abdumutalip Abzhapparov – Rector of Caspian State University of Technologies and Engineering named after Sh.Yesenov and Mr. Askar Seidaliyev – Director of Oil and Gas Institute.

Abzhapprov Abdumutalip Abzhapparovich – Rector of Caspian State University of Technologies and Engineering named after Sh.Yesenov (the honoured worker of Kazakhstan Republic, Doctor of technical science, professor, academician of Engineering academy and the International academy of the high school)



On this occasion, both universities concluded an Agreement for the purpose of joint research and students training, having the following *structure*:

- Both interested parties cooperate with each other with a view to technical sciences research assistance and students' training possibilities expansion.
- Cooperation is carried out in the following areas: professors' and scholars' exchange; students' exchange (bachelor students, master students and PhD students); combined research organization, scientific conferences and sessions holding; scientific information, printed products and other information exchange; other activities, agreed by "Both Interested Parties".

Based on good relationships, it has been established that Mr. Batistatu Mihail Valentin – associate professor at our university, specialized in Geology, would go and teach at Caspian State University of Technologies and Engineering named after Sh.Yesenov, for one semester.

PhD Lecturer Boni Străoanu
International Relations Office

Academic Events

LAUDATIO

pour la remise du titre de DOCTEUR HONORIS CAUSA de l'Université Pétrole et Gaz Ploiesti à monsieur le professeur PAUL MENGAL, Président de l'Université Paris XII Val de Marne

Chers invités et collègues,

La séance extraordinaire du Sénat de l'Université Pétrole-Gaz de Ploiești a lieu aujourd'hui dans une atmosphère de fête et en même temps solennelle, en vue de conférer le titre de **Doctor Honoris Causa** de notre université au professeur **Paul Mengal**, personnalité marquante, reconnu dans le monde scientifique international, mentor spirituel des nombreuses collaborations internationales que notre université déroule avec l'Université Paris XII.

Par sa tenue scientifique remarquable et par son comportement, caractérisé par générosité et abnégation professionnelle, le professeur **Paul Mengal** a gagné un bien mérité prestige dans le monde scientifique international. Mentor de l'Institut National de Développement Economique (I.N.D.E.) Ploiești dans le cadre de l'Université Pétrole-Gaz et des nombreuses collaborations dans le cadre des programmes financés par l'Union Européenne, la personnalité du professeur a profondément marqué l'enseignement de l'Université Pétrole-Gaz de Ploiești.

Je vous prie de me permettre, au nom du Sénat de l'Université Pétrole-Gaz de Ploiești, de présenter la personnalité et l'œuvre scientifique du professeur Paul Mengal, Président de l'Université Paris XII Val-de-Marne.

Monsieur Paul Mengal, né le 20 octobre 1940 à Bressoux - en Belge, doublement licencié en mathématiques appliquées (1964) et en psychologie (1971) à l'Université de Liège, docteur en psychologie génétique et expérimentale à l'Université de Genève (1977), aujourd'hui Président de l'Université Paris XII, est un chercheur appliqué et un prestigieux enseignant.

The ceremony took place Mai 2005, at Petroleum and Gas University

La carrière scientifique et universitaire du professeur Mengal a commencé à l'Université de Liège, où il a été assistant:

- Dans le cadre du Laboratoire de psychométrie entre 1965-1970;
- Au Service de Statistique et Mathématiques Appliquées en Psychologie entre 1970-1972.

Entre 1972 et 1974 le professeur Paul Mengal a eu une activité de recherche au Centre International d'Epistémologie Génétique ayant comme conseiller le célèbre professeur Jean Piaget.

A partir de 1974 jusqu'en 1980 il a été responsable de l'enseignement à la Faculté de Psychologie et Sciences de l'Education dans le cadre de l'Université de Genève et à partir de 1981, professeur universitaire à l'Université Paris XII Val-de-Marne dont il est devenu le Président le 16 février 2001.

Son œuvre scientifique n'aborde pas un domaine de stricte spécialité mais elle a une ouverture vers des thèmes multidisciplinaires.

Les cours que le professeur Paul Mengal a tenus le long du temps à des universités de France mais aussi en tant que professeur à l'Université de Mexique et celle de Freiburg, en Suisse, démontrent la véracité des affirmations ci-dessus. On rappelle dans ce sens:

- Le cours « Introduction dans l'histoire des sciences » à la Faculté de Sciences et Technologie;
- Le cours « Histoire de la médecine » à la Faculté de Médecine;

- Le cours d'histoire de la psychologie à la Faculté des Sciences de l'Education et des Sciences Sociales.

L'activité scientifique du professeur Paul Mengal s'est concrétisée par la publication de quatre livres d'auteur:

- Statistique descriptive appliquée aux sciences humaines Berne, Edition Peter Lang, 1979 suivi ensuite d'autres cinq re-éditions consécutives (1984, 1991, 1994, 1998, 1999), ce qui prouve la valeur scientifique de cet ouvrage;
- Perception et prise de décision en situation aléatoire. Etude psychogénétique de jugements différentiels de numérosité et de durée, Berne, Edition Peter Lang, 1980;
- Giacomo Casanova. L'arnica caprina. Une controverse médicale sur l'utérus pensant à l'Université de Bologne en 1771 -1772, ouvrage qui a obtenu le prix du Ministère des Affaires Etrangères pour la promotion de la culture italienne à l'étranger;
- Naissance de la psychologie et institution du dualisme de l'âme et du corps, Paris, Erès, 2001.

Outre ces ouvrages qui l'ont consacré comme un remarquable homme de science, le professeur Paul Mengal a publié deux ouvrages collectifs:

- Histoire du concept de récapitulation. Ontogenèse et phylogenèse en biologie et sciences humaines, Paris, Masson, 1993;
- La fabrique, la figure et la feinte. Fictions et statut des fictions en psychologie. Paris, Vrin, 1989, re-édité à Paris, Sciences en situation, 1992.

Et plus de 40 articles, certains étant publiés en:

- Dictionnaire de Psychologie, Paris, PUF, 1991;
- Encyclopédie Philosophique Universelle, Paris, PUF, 1992;
- Dictionnaire du Monde Religieux de la France Contemporaine, Paris, Privat, 1992;
- Grand Dictionnaire de Psychologie, Paris, Larousse, 1992.

Il faut aussi rappeler qu'en dehors de cette prodigieuse activité didactique et scientifique, le professeur Paul Mengal a detenu de nombreuses et importantes *responsabilités de manager* dont on mentionne quelques-unes:

- Directeur du Centre de Formation Professionnelle (1981-1982);
- Directeur de l'Institut de Recherche Universitaire de l'Histoire de la Connaissance, des Idées et des Mentalités (1986-1990);
- Directeur du Groupe de Recherche dans l'Histoire et l'Epistémologie de la Médecine (1993-1997);
- Président du Conseil Scientifique de la Faculté de Lettres et Sciences et directeur du Collège Doctoral (1997-2000);
- Vicerecteur (1997-2001);
- Président de l'Université Paris XII Val-de Marne à partir de 2001.

Monsieur Mengal est en même temps membre fondateur de la Société Française pour l'Histoire des Sciences de l'Homme et de la Société d'Histoire et Epistémologie des Sciences de la Vie.

A partir de l'année universitaire 2002/2003, l'Université Paris XII est le partenaire de l'Université Pétrole-Gaz de Ploiești pour les cours académiques postuniversitaires I.N.D.E., enseignement de type cours de soir et à distance, accrédités dans la spécialisation

«Développement économique des entreprises». Le Diplôme accordé par l'Université Paris XII est D.E.S.S. (Diplôme d'Etudes Supérieures Spécialisées) - Master en gestion des Entreprises.

La direction de l'Université Pétrole-Gaz de Ploiești a particulièrement apprécié chez le Président de l'Université Paris XII, le professeur Paul Mengal, la manière dans laquelle il a soutenu le contrat de collaboration entre les deux universités durant deux ans (entre le 1 janvier 2004 –30 juin 2005).

C'est un grand honneur et une grande joie de pouvoir accueillir au milieu de notre communauté académique le professeur Paul Mengal. Par la cérémonie d'aujourd'hui, l'Université Pétrole-Gaz de Ploiești apporte de l'éclat à son corps académique en accordant le titre de Doctor Honoris Causa au professeur Paul Mengal. Ce titre constitue le geste bien-mérité pour reconnaître le succès d'une vie dédiée à l'étude.

Nous sommes convaincus que les étroites relations qui existent entre notre université et l'Université Paris XII Val-de-Marne vont durer, s'élargir et s'amplifier.

Prof. univ. dr. ing. Liviu DUMITRAȘCU,
Vice-Recteur de l'Université Pétrole – Gaz de Ploiești
Mai 2005

Editorial Publications

Prahova Valley and Its Tributary System Study of Physical Geography with Emphasis on Hydrography

Adrian Ștefan Nedelcu

University Printing/Publishing House, Bucharest, 2010, 448 pp.

The present paper enriches the series of monographic studies on the hydrographic basin of the Prahova river, a complex hydrographic basin whose individuality resides in the characteristics of the current relief, the result of a long evolution within the collecting hydrographic basin of Ialomita. Alongside the studies of geology, geomorphology, climate or human geography, elaborated years ago, this paper approaches the hydrographic aspect of a geographical area with an extremely complex relief, various climatic features, a multileveled vegetation and a considerable human pressure.

Perceived mainly as a participant in the edification of the hydrographic basin's systemic structure, and secondly, as a function in the space-temporal dynamics of the geographical landscape, Prahova Valley, alongside its tributary system, emphasizes the relations between the natural and anthropic and the changes noticed in the structure of the geographical landscape.

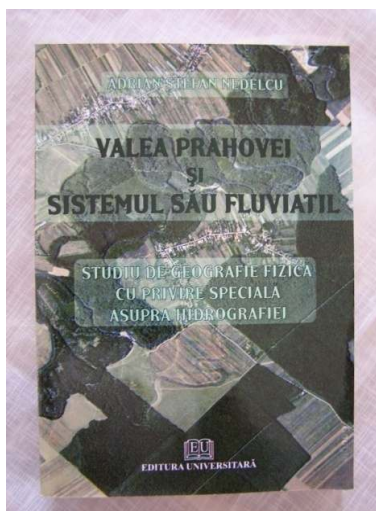
The present study analyzes in detail the tributary system, a complex organism, whose features result from the connections among its components: rock, relief, climate, soil, vegetation, anthropic action. The study of these components has allowed a better understanding of the features and functions of the Prahova tributary system, of its general flow of matter and energy.

Through the issue approached, the study aims to highlight important scientific information on the evolution of the Prahova tributary system, emphasizing the influence that the relief exerts on the hydrographic network, as well as the role of the edaphic and phytogeographical factors in the evolution of various processes and geographical and hydrographical phenomenon.

The landscape, as a result of the interaction between natural and anthropic components, represents the main unit in the analysis of the natural potential of the geographical area. Emphasizing the natural potential of a hydrographic basin implies a quantity and quality analysis of its components, but also of the whole, of the functional system that it represents.

Prahova Valley and its tributaries, an integrating part of the Ialomița hydrographic system, represents a complex organism, whose features are adjusted by several control variables (time, initial relief, the volume of the system's relief situated above the base level, geology, climate, vegetation, liquid and solid discharge). In the study of the interaction between the system's variables, we have taken into account the stage of relief evolution from which there result its morphometrical characteristics. Among these characteristics, one mainly considers the relief altitude, perceived as a synthetic expression of the vertical zonality of the determining and conditioning factors of space variation, of the water flow in the tributary system.

Within the system, mater is organized in subsystems on different levels, each one having specific structural and functional features, interdependent with the ones of the superior levels to whom it is integrated and of the inferior levels it consists of. In the same conceptual context, the tributary system of the Prahova river is related to the surrounding geographical environment, as a part of mater and energy supply comes from it. Nevertheless, the opposite may be also valid, as the feedback determines a permanent self-regulation of the hydrographic basin, in its tendency to reach a dynamic equilibrium.



In the present study, the author focuses on both the particularities of the geography problems posed by the hydrographic basin of the Prahova river, such as the resources regime, the evolution of liquid and solid leakage/ flow, water chemical, thermal and freezing processes, and on the directions to use these resources in society and economy. The analysis, obviously, has not fully approached all the problems posed by the Prahova river's basin, as the interdependence relations between the variables of the tributary system are continuously changing.

The aspects exposed in the 13 chapters of the book, grouped in four parts (I. *General considerations*; II. *Geographical factors that favour waterpool formation*; III. *Water resources and reserves in the Prahova hydrographic basin*; IV. *The economic importance and water quality in the Prahova hydrographic basin*) are the results of field observations and of the interpretation of the existing literature, by using the systemic conception and method. There have been consulted series of materials quoted in bibliography, and there has been processed and corelatively interpreted an important data volume provided by «Apele Române» National Administration, S.G.A. Prahova; Meteorology National Administration; Prahova Agency for Environmental Protection and Prahova County Statistics.

Richly illustrated with maps, graphs and photographs that suggestively support the aspects being presented, the study of PhD lecturer Adrian Ștefan Nedelcu from the Faculty of Economic Sciences, within Petroleum-Gas University of Ploiești, highlights a certain depletion in the hydrographic basins from low, plain areas with high agricultural, industrial and human

potential, and a surplus of water resources in sectors with higher relief, where agricultural, industrial and human potential is lower, fact which recommends it to everyone interested in the systematization of the geographical space, in the administration and monitorization of Prahova county water reserves, a vital resource for the economic, durable development in the near future.

Prof. PhD Mihai Ielenicz
President of the Geography Society of Romania