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CURRICULUM VITAE
and
SUMMARY OF SCIENTIFIC ACTIVITIES

- Director in the Department of Dynamic Tectonic Applied Geology, University of Athens.
 - Director of the Post-Graduate Programme of the School of Sciences of the University of Athens on «Oceanography and Management of the Marine Environment».
 - Director of the Post-Graduate Programme of the University of Athens on «Prevention and Management of Natural Disasters».
 - Director of the Laboratory on «Study and Prevention of Natural Hazards» of the University of Athens.
 - Grosby professor, Department of Earth, Atmospheric and Planetary Sciences, M.I.T. (Massachusetts Institute of Technology), Cambridge, Boston, USA.
 - Barnes Distinguished Lecturer, Jackson School of Geosciences, University of Texas, Austin, USA.
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- f. President and Director of the National Centre for Marine Research (NCRM).
 - f. President of the Earthquake Planning and Protection Organization (EPPO).
 - f. Secretary General of Civil Protection of the Ministry of Interior.
 - f. Associate Professor, Université de Reims, France.
 - f. President of the Geological Society of Greece.
 - f. President of the Carpatho-Balkan Geological Association
 - f. Project Leader, IGCP 276 of UNESCO / IUGS (International Geological Correlation Programme of International Union of Geological Sciences).

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I. CURRICULUM VITAE

- 1949 Born in Athens.
- 1967 Graduated from the Z' Lyceum of Athens and started my studies on Natural Sciences at the University of Athens.
- 1971 Obtained my diploma of «Physiognosy and Geography».
- 1972-1974 Served the Greek Army as a lieutenant of Artillery.
- 1973-1976 Registered and studied at the newly established Geological Department of the University of Athens and obtained the Diploma of Geology.
- 1974 I started to work as assistant at the Laboratory of Geology and Paleontology of the University of Athens and started my PhD thesis.
- 1977 Elected member of the Board of the Geological Society of Greece and re-elected in 1979, 1981, 1984, 1986, 1988, 1990, 1992 and 1994.
- 1978 Attended a Seminar on Tectonic Geology within a post-graduate course of 3rd cycle at the University of Lausanne in Switzerland.
- 1978 Nominated Doctor of Geology from the School of Sciences of the University of Athens.
- 1979 Nominated Chief-assistant with permanent post at the Laboratory of Geology and Paleontology of the University of Athens.
- 1979-1980 Obtained a scholarship from the Swiss Government and I worked for one academic year at the University of Lausanne. During my visit I participated at the post-graduate cycle on Tectonics and the Geology of the Alps and initiated my research at the western Alps. During the summer period of 1981 I revisited my fieldwork area in the Western Alps following a second scholarship from the Swiss Government.
- 1980-81-82 Lectured on the subject of Applied Geology for the students of Geology at the University of Athens.
- 1982 Nominated Lecturer of the newly established Department of Dynamic, Tectonic and Applied Geology of the University of Athens.
- 1982-1983 During the first semester of 1982-1983 I worked as Professeur Associe at the University of Reims (France) giving lectures on Tectonic Geology for the 3rd year students (Licence) and Paleogeography and Tectonic Development of the Eastern Mediterranean for the 4th year students (Maitrise).

- 1982-1983 From the second semester of 1982-1983 up to the present day I lecture on Geology of Greece, at the University of Athens. In 1986, I published a textbook on Geology of Greece (240 p).
- 1984 Organised the Annual Meeting of the IGCP No 5 of UNESCO / IUGS, followed by a 6-days geological excursion on Pre-Alpine formations of Northern Greece (Very positive remarks in *Geochronique*, 13, 1985).
- 1985 Elected Assistant Professor on Dynamic Geology, Tectonic Geology, Geology of Greece and Neotectonics at the Department of Dynamic, Tectonic and Applied Geology of the University of Athens.
- 1985 Appointed Member of the Editorial Board of the Scientific Journal "Annales Geologiques des Pays Helleniques", which in 2006 was re-named as "Hellenic Journal of Geosciences", edited by the University of Athens (since 1942).
- 1985-1986 Organised and gave lectures for the newly established topics of Microtectonics (5th semester) and Structural Analysis (6th semester). For both newly established courses I published textbooks.
- 1986 Organised the 3rd Scientific Congress of the Geological Society of Greece (President of the Organizing Committee). This congress was the first international with strong participation of foreign colleagues and included two geological excursions.
- 1986 -87 During the second semester of 1986-1987 organised and gave lectures for the Geology of Europe. I published a short textbook for the newly established course.
- 1988 Organised the 4th Scientific Congress of the Geological Society of Greece (President of the Organizing Committee) with two additional geological excursions. Simultaneously, I organised the 2nd regional meeting of the IGCP National Committees of UNESCO / IUGS of Southeastern Europe.
- 1988 UNESCO/IUGS approved the International Geological Correlation Programme IGCP No 276 entitled "Paleozoic Geodynamic Domains and their Alpidic Evolution in the Tethys" which I had submitted in 1987. I was elected Project Leader of IGCP no 276 by the representatives of 21 participating countries.
- 1988 Elected President of the Geological Society of Greece and re-elected in 1990 and 1994.
- 1989 Elected Associate Professor at the Department of Dynamic, Tectonic and Applied Geology of the University of Athens.

- 1991 Appointed Member of the Editorial Committee of the scientific journal "Geologica Balcanica" which is edited in Sofia by the Bulgarian Academy of Sciences.
- 1991-92 & 1992-93 Elected Director of the Department of Dynamic, Tectonic and Applied Geology of the University of Athens.
- 1992 Organised the 6th Congress of the Geological Society of Greece, focused on «The Geology of the Aegean». Simultaneously, I organised two annual meetings with field excursions of IGCP projects No262 and No 276 of UNESCO / IUGS.
- 1992 Co-organised the Symposium II/12 entitled : "Paleozoic Geodynamic Environments in Tethys" within the 29th International Geological Congress, held at Kyoto, Japan. The Symposium contained 26 scientific contributions, which were published in a special volume.
- 1993-95 Elected President of the Carpatho-Balkan Geological Association by the 8 member states at the board meeting in May 1993, held in Budapest.
- 1993 Elected Professor of Tectonic Geology, Geology of Greece, Neotectonics and Dynamic Geology at the Department of Dynamic, Tectonic and Applied Geology of the University of Athens.
- 1993 -98 Appointed President of the Earthquake Planning and Protection Organization (EPPO), supervised by the Ministry of Public Works and Environment.
- 1993-99 Appointed President of the European Centre for Earthquake Prediction and Prevention within the Scientific Agreement of the Council of Europe (Strasbourg).
- 1993-99 Appointed National Representative for Civil Protection at the 11th Direction of the European Union in Brussels and in the Council of Europe at Strasbourg.
- 1994-2000 Elected President and Director of the National Centre for Marine Research (NCOMR).
- 1994-2000 Appointed Member of the Board of the International Committee for the Scientific Exploration of the Mediterranean (CIESM), based in Monaco.
- 1995-2000 Elected President of the Marine Research Centres of the Mediterranean (MEDMARIS).
- 1995-2000 Elected Member of the Board of the European Marine Sciences in Paris.

- 1995 Appointed Member of the Editorial Committee of the scientific journal "Geologica Slovaca", which is edited in Bratislava, Slovakia.
- 1996-2000 Appointed President of the National Committee of Marine Research and Technology at the General Secretariat of Research and Technology.
- 1996-99 Elected Member of the International Scientific Committee for Deep Drilling (ICDP), which is based in Berlin (Potsdam).
- 1997 Appointed Member of the Editorial Board of the International Scientific Journal "Terra Nova", which is edited by Blackwell in England.
- 2000 Appointed Member of the Editorial Board of the Scientific Journal "Turkish Journal of Earth Sciences", which is edited by the Research Council (Tubitak) in Ankara, Turkey.
- 2000-2002 Appointed Secretary General for Civil Protection at the Ministry of Interior.
- 2003 Nominated Grosby professor at the Department of Earth Atmospheric and Planetary Sciences of MIT at Cambridge, Boston, USA. During the second semester of 2003 I organised a Seminar on the Geology and Geodynamics of the Mediterranean and a 10-days fieldwork with post-graduate students in Greece during July 2003.
- 2004 Elected Director of the newly established Laboratory of Study and Prevention of Natural Disasters of the University of Athens.
- 2007 Elected Director of the Post-Graduate programme on Oceanography of the School of Sciences of the University of Athens (Participation of the Departments of Biology, Geology, Physics and Chemistry).
- 2008 Nominated Barnes Distinguished Lecturer of the Jackson School of Geosciences of Texas University at Austin, USA.
- 2009 Elected Director of Studies of the Post-Graduate Programme on «Prevention and Management of Natural Disasters» of the University of Athens.
- 2009 Appointed Member of the Editorial Board of the Scientific Journal «MTA Bulletin», που εκδίδεται από το MTA (Turkish Institute for Mineral Research) edited in Ankara, Turkey.
- 2009 Elected Director of the Department of Dynamic, Tectonic and Applied Geology of the University of Athens.

II. STUDIES AND TITLES (EDUCATION)

II.1 Studies

1. Diploma of Physiognosy and Geography, University of Athens (1971).
2. Diploma of Geology, University of Athens (1976).
3. PhD on Geology, University of Athens (1978).
4. Post-Graduate studies and post-doc research at the University of Lausanne, Switzerland (1978, 1979-1980, 1981).

II.2. Academic carrier

1. Assistant of the Laboratory of Geology and Paleontology, University of Athens (1974).
2. Chief-Assistant with permanent post on the Laboratory of Geology and Paleontology, University of Athens (1979).
3. Chief-Assistant, lecturing on Applied Geology, University of Athens (1980-81, 1981-82).
4. Lecturer at the Geological Department, University of Athens (1982).
5. Professeur Associe, Universite de Reims (France) (1982-83).
6. Assistant Professor of the Department of Dynamic, Tectonic and Applied Geology, University of Athens (1985).
7. Associate Professor of the Department of Dynamic, Tectonic and Applied Geology, University of Athens (1989).
8. Professor of the Department of Dynamic, Tectonic and Applied Geology, University of Athens, on Tectonic Geology, Geology of Greece, Neotectonics and Dynamic Geology (1993).
9. Grosby professor at the Department of Earth, Atmospheric and Planetary Sciences of MIT, Cambridge, Boston, USA (2003).
10. Barnes Distinguished Lecturer of the Jackson School of Geosciences at the Texas University, Austin, USA (2008).

II.3 Scientific Titles

1. President of the Geological Society of Greece (1988-1990, 1990-1992 και 1994-1996).

2. Project Leader of the International Geological Correlation Programme IGCP No 276 of UNESCO / IUGS entitled "Paleozoic in the Tethys" (1988-1995).
3. President of the Tectonic Committee of the Geological Society of Greece (since 1990).
4. Director of the Department of Dynamic, Tectonic and Applied Geology, University of Athens (1991-1992, 1992-1993 και 2009-10).
5. President of the Carpatho-Balkan Geological Association (1993-95).
6. President of the Earthquake Planning and Protection Organization (EPPO) (1993-1998).
7. President of the European Centre for Earthquake Prediction and Prevention (1993-1999).
8. National Representative for Civil Protection in the European Union and the Council of Europe (1993-98).
9. President and Director of the National Centre for Marine Research (1994-2000).
10. Director of the Laboratory of Study and Prevention of Natural Disasters, University of Athens (since 2005).
11. Director of the Post-Graduate Programme on Oceanography, University of Athens (since 2007).
12. Director of the Post-Graduate Programme on Prevention and Management of Natural Disasters, University of Athens (since 2009).

III. SCHOLARSHIPS

1. Scholarships from the State Scholarships Foundation of Greece during the undergraduate studies (1967-1968, 1969-1970).
2. Scholarship from the Swiss Government for post-graduate studies in Lausanne (1979 - 1980).
3. Scholarship from the Swiss Government for three months research in the Western Alps (July – September, 1981).

IV. FOREIGN LANGUAGES

Excellent both English and French.

V. MEMBER OF SCIENTIFIC SOCIETIES AND INTERNATIONAL RESEARCH PROGRAMMES

1. Member of the Geological Society of Greece since 1973 and Member of the Board from 1977 to 1996 (President, Vice-President, Treasurer, Executive Secretary).
2. Member of the French Geological Society (since 1978).
3. Member of the Swiss Geological Society (since 1979).
4. Member of the Geological Society of America (since 1981).
5. National co-ordinator in I.G.C.P. Project No 5, Variscan and Pre-Variscan Events in the Alpine Mediterranean belts (1978-1987) of UNESCO / IUGS.
6. National co-ordinator in I.G.C.P. Project No 22, Precambrian in younger fold belts (1980-1983) of UNESCO / IUGS.
7. National co-ordinator in I.G.C.P. Project No 106, Permo-Triassic stage of Geological evolution (1980-1982) of UNESCO / IUGS.
8. Member of the International Committee of the Scientific Exploration of the Mediterranean (C.I.E.S.M.) (since 1980) and member of the Board (1994-2000).
9. Member of the Committee of the Study of the Oligocene/Miocene boundary of IUGS and of IGCP Project No 25 (1979-1985).
10. Member of the Geographical Society of Greece and Member of the Board (1982-1988).
11. Project Leader of IGCP Project No 276, Paleozoic in the Tethys (1988-1995) of UNESCO / IUGS.
12. President of the Tectonic Committee of the Geological Society of Greece (since 1990).
13. Member of the European Board of Marine Sciences, Paris (1995-2000).
14. President of the National Committee of Marine Science and Technology (1996-2000).
15. President of the Marine Research Centres of the Mediterranean (1995-2000).
16. Member of the International Scientific Committee for Deep Drilling (ICDP), Berlin (1996-99).

17. Member of the Scientific Committee on the Study of the Impact from Climatic Change, Bank of Greece, with responsibility on Paleoclimate, Sea level change and Natural Hazards (2009-2011).

VI. EDUCATIONAL ACTIVITIES

VI.1 Under-graduate Courses

Since 1974 I have organised and supervised the Laboratory exercises of students of Natural Sciences and Geology in several subjects, such as: General Geology, Tectonic and Applied Geology, Tectonic Geology and Stratigraphy, Geology of Greece, Petroleum Geology, Microtectonics and Structural Analysis.

Since 1978 after my PhD on Geology I gave lectures on the following topics:

- Applied Geology (Engineering Geology) (1978-1982).
- Geology of Greece (1982 - present).
- Petroleum Geology (1983-84)
- Microtectonics (1985-94)
- Geological Mapping (1985-94).
- Structural Analysis (1985-94)
- Geology of Europe (1986-94).
- Tectonic Geology (1991-92 and 2001 -present).

I have also given lectures on Tectonic Geology and Paleogeography and Tectonic Evolution of the Eastern Mediterranean in the University of Reims (1982-83).

I have given a number of lectures and seminars in Greece as well as abroad on various scientific issues. Some of the foreign Institutions are: M.I.T. (Massachusetts Institute of Technology) USA, Geological Survey of USA in California, Geological Institute of the University of Lausanne, Department of Geosciences of the University of Reims, School of Geology and Geography of the University of Sofia, Geological Survey of Hungary, Eotvos Lorand University of Budapest, Geological Institute of the Academy of Sciences of Georgia in Tbilisi, Scientific and Technologic Society of Tsechoslovakia, Geophysical Institute of the University of Trieste, Laboratory of Sedimentology and Marine Geochemistry of University of Perpignan, Turkish Petroleum Company in Ankara, Earth Sciences Department of the University College in London (UCL).

I have organised several geological excursions for the students of the University of Athens but also for students of other universities from abroad such as: the Geological

Institute of the University of Lausanne (1980), the Geological Institute of the University of Wurzburg (1987, 1991), the Geological Department of the University of Wien (1988).

VI.2 Post-Graduate Courses

I lectured at the Post-Graduate Programme of Oceanography on: Marine Geology (since 1994) and Marine Geodynamics (2009).

I lectured at the Post-Graduate Programme of Prevention and Management of Natural Disasters on: Environment and Natural Disasters (since 2004) and Planning and Prevention of Natural Disasters (since 2004).

I lectured at the Post-Graduate Programme of Dynamic, Tectonic and Applied Geology on: Tectonics (since 1995), Geodynamics (since 1995) and Tectonics of Greece (since 1996).

I lectured at the Post-Graduate Programme of the Department of Earth, Atmospheric and Planetary Sciences of MIT on the Geology and Geodynamics of the Mediterranean (Spring semesters of 2003 and 2006).

VII. SUPERVISION OF DIPLOMA, MASTER AND PHD THESES

Since 1976 I supervised more than 90 students on their Diploma Theses at the Geological Department of the University of Athens.

Since 1995 I supervised 12 Master Theses of Post-Graduate students.

Since 1983 I supervised 18 completed PhD theses at the geological Department of the University of Athens: Ch.Sideris (1986), G. Chronis (1986), M. Lazaridou-Varotsou (1986), E. Lekkas (1988), E. Fokas (1990), P. Pavlakis (1992), G. Danamos (1992), S. Lozios (1993), I. Fountoulis (1994) K. Mavromatou (1995), K. Serelis (1995), P. Karvelis (1996), A. Antonopoulos (1996) G. Kopanas (1996), S. Vasilopoulou (1998), Ch. Kranis (1999), P. Nomikou (2004) and E. Vasilakis (2007) . Additionally I participated at the Examination Committees of several PhD Theses at the University of Athens at the Geological Department and at the Department of Physics as well as at the Agricultural University of Athens, the National Technical University (Polytechnion), the University of Patras and the University of Thessaloniki.

VIII. GEOLOGICAL MAPPING

The following Geological and Tectonic maps have been published as a result of my research since 1973.

- 1) Geological Map of Andros Island, at scale 1/50.000 (1974-1976), edited by the Institute of Geology and Mineral Exploration (IGME), 1978 (Publ. No 13).

- 2) Geological map of Paros Island, at scale 1/50.000 (1977-1979, 1982) edited by the Institute of Geology and Mineral Exploration (IGME), 1996 (Publ. No 76).
- 3) Neotectonic Map of Korinthos at scale 1/100.000 (1986-1988) edited by EPPO-University of Athens – Tectonic Committee of the Geological Society of Greece, 1997 (Publ. No 156).
- 4) Submarine Neotectonic Map of the Messiniakos Gulf at scale 1/100.000 (1986-1988) edited by EPPO – NCMR- University of Athens, 1988 (Publ. No 94).
- 5) Submarine Neotectonic Map of the Saronic Gulf at scale 1/100.000 (1986-1988) edited by EPPO-NCMR-University of Athens, 1989 (Publ. No 95).
- 6) Submarine Neotectonic Map of Southern Evoikos Gulf at scale 1/100.000 (1986-1988) edited by EPPO-NCMR-University of Athens, 1989 (Publ. No 96).
- 7) Geotectonic Map of Greece at scale 1/2.500.000 (1983-1989) edited by the University of Athens and the Geological Society of Greece, 1989 (Publ. No 92).
- 8) Geotectonic Map of the Tectonostratigraphic Terranes of Greece within the Mediterranean Region at scale 1/2.500.000 (1988-1995) edited by IGCP 276 of UNESCO / IUGS and the Annales Geologiques des Pays Helleniques, 1997 (Publ. No 147).

Several other geological maps have been published in scientific journals reduced at various scales concerning the areas of Ikaria, Phourni, Syros, Amorgos, Sifnos, Donoussa, Central Rhodope, Milos, Nisyros and Kos.

Additionally, several tectonic maps have been published in various scientific journals from the areas of Penteli, Andros, Ikaria, Paros, Amorgos, Nisyros, Kos, Milos and Itea-Amfissa as well as Submarine Neotectonic Maps of the Argolic Gulf, Lakonic Gulf, Kyparissiakos Gulf, the Kos-Nisyros-Tilos area and the North Aegean Basin.

Several Maps are not published yet such as three Neotectonic Maps at scale 1/100.000 of the Prefecture of Ilia (Sheets Pyrgos-Tropaea), Argolis (Sheet Lygourio), Rhodes, Eastern Attica, Nisyros, Kos, Chios, Aetolo-Akarnania and the Submarine Neotectonic Map of the Corinth Gulf.

IX. PARTICIPATION IN INTERNATIONAL CONGRESSES

Since 1972 I participated in a large number of congresses either in Greece or abroad. The following list comprises only those congresses where I have presented scientific contributions, printed either in the Proceedings or in the Abstracts (in parentheses the numbers of the list of publications for each case).

- 1) VI Colloquium on the Geology of the Aegean Region, Athens, September 1977 (Publ. 8, 9, 10, 11).
- 2) 26 Assemble Pleniere de la C.I.E.S.M., Antalya, Turquie, November 1978 (Publ. 18).
- 3) 7e R.A.S.T. (Reunion Annuelle des Sciences de la Terre), Lyon 1979, France (Publ. 19).
- 4) I.G.C.P. Project No 5, October 1979, Meeting in Sofia, Bulgaria (Publ. 20).
- 5) VII International Congress on the Mediterranean Neogene, Athens, September 1979 (Publ. 24).
- 6) 26th International Geological Congress in Paris, July 1980 (Publ. 28, 29, 30, 31).
- 7) 27th Congress C.I.E.S.M. Cagliari, October 1980, Italy (Publ. 34).
- 8) I.G.C.P. Project No 22, October 1980, Final Meeting in Sofia, Bulgaria (Publ. 40).
- 9) I.G.C.P. Project No 5, December 1980, Meeting in Dubrovnik, Jugoslavia (Publ. 27, 30).
- 10) H.E.A.T. Symposium, April 1981, Athens (Publ. 41, 42, 43).
- 11) I.G.C.P. Project No 5, June 1981, Meeting, Pau-Barcelona (Publ. 44).
- 12) I.G.C.P. Project No 106, October 1981, Sarajevo (Publ. 46).
- 13) 9e R.A.S.T. (Reunion Annuelle des Sciences de la Terre), Paris 1982 (Publ. 48).
- 14) Geological Evolution of the Eastern Mediterranean, Edinburg 1982 (Publ. 50, 51, 52).
- 15) I.G.C.P. Project No 5, July 1982, Caucasus Meeting in Tbilisi (Publ. 54).
- 16) Geology of the Taurus belt, Ankara, 1983 (Publ. 56).
- 17) "Earthquakes and Constructions", Techniocal Chamber of Greece (T.E.E.), February 1984, Athens (Publ. 58).

- 18) 10e R.A.S.T. (Reunion Annuelle des Science de la Terre), Bordeaux, 1984 (Publ. 59).
- 19) 2nd Geological Congress, Geological Society of Greece, May 1984, Earthquakes and Geology (Publ. 60, 61).
- 20) 27th International Geological Congress in Moscow, August 1984 (Publ. 62).
- 21) I.G.C.P. Project No 5, September 1984, Fieldmeeting in Greece (Publ. 63, 64).
- 22) Symposium and Advanced Study Institute "Chemical transport and metasomatic phenomena", Loutraki, June 1985 (Publ. 75).
- 23) I. Ketin Symposium and Advanced Study Institute, Instabul, September 1985 (Publ. 72).
- 24) 3rd Congress of the Geological Society of Greece, May 1986 (Publ. 69, 70, 71).
- 25) Final meeting of I.G.C.P. No 5 in Cagliari, June 1986 (Publ. 73).
- 26) 5th Meeting of European Geological Societies, Dubrovnik, 1987 (Publ. 77, 78).
- 27) "Structural and Sedimentary Evolution of the Neotectonic Aegean Basins", Geological Society of London, April 1988 (Publ. 82).
- 28) 4th Congress of the Geological Society of Greece, Athens, May 1988 (Publ. 83, 85, 86, 87).
- 29) XIII Congress of European Geophysical Society, Bologna, March 1988 (Publ. 84).
- 30) XXXI Congress of C.I.E.S.M., Athens, October 1988 (Publ. 88).
- 31) 74th Congress of the Geological Society of Italy, Sorrento, September 1988 (Publ. 89).
- 32) I.G.C.P. Project No 276, 1st Fieldmeeting Chania, Crete, October 1988 (Publ. 90, 91, 92).
- 33) « The exploitation of the Hellenic Geothermal Potential», Technical Chamber of Greece (TEE), 10-11 April 1989 (Publ. 98).
- 34) 5th Slovak Geological Conference, Bratislava, 1990 (Publ. 101).
- 35) 5th Congress of the Geological Society of Greece, Thessaloniki, May 1990 (Publ. 102, 103, 104, 105, 106, 107, 108).
- 36) International Earth Sciences Congress on Aegean Regions, Izmir, October 1990 (Publ. 109, 110, 111,112).

- 37) 1st Symposium on Thrust Tectonics in Albania, Tirana, November 1990 (Publ. 113).
- 38) Symposium for the Celebration of 40 years of the Geological Society of Greece, Athens, May 1991 (Publ. 113).
- 39) International School of Solid Earth Geophysics, Erice, Italy, November 1991 (Publ. 120).
- 40) 29th International Geological Congress, Kyoto, Japan, August 1992 (Publ. 122)
- 41) 6th Congress of the Geological Society of Greece with emphasis on the Geology of the Aegean, Athens, May 1992 (Publ. 123, 124, 125).
- 42) XXIV General Assembly of the European Seismological Commission, Athens 1994 (Publ. 128, 129).
- 43) 7th Congress of the Geological Society of Greece, Thessaloniki, 1994 (Publ. 127).
- 44) XV Congress of the Carpatho-Balkan Geological Association, Athens 1995 (Publ. 130, 131).
- 45) 3rd Congress of the Geographical Society of Greece, Athens 1995 (Publ. 132, 133).
- 46) European Union of Geosciences, E.U.G. 8, Strasburg 1995 (Publ. 133α)
- 47) 5th Meeting of Arc/Info users, Athens 1995 (Publ. 134).
- 48) 2nd Congress "Ancient Heliki and Aegialia", Aegion, 1995 (Publ. 135).
- 49) XXV Gen. Ass. European Seismological Commission, Reykjavik (Publ. 136, 137, 138).
- 50) 6th Meeting of Arc/Info users, Athens 1996 (Publ. 140).
- 51) Symposium on «Engineering Geology and the Environment» of the International Association of Engineering Geology, Athens 1997 (Publ. 139).
- 52) Symposium on «Remote Sensing and Applications», Athens 1996 (Publ. 142, 143).
- 53) 5th Symposium on Oceanography and Fisheries, Kavala, 1997 (Publ. 144α, 145).
- 54) Symposium on «Geological – Geomorphological Heritage», Syros 1996 (Publ. 149).

- 55) 29th Gen. Ass. of the International Association of Seismology and Physics of the Earth's Interior (IASPEI), Thessaloniki 1997 (Publ. 150, 151, 152, 153, 154).
- 56) 8th Congress of the Geological Society of Greece, Patra, 1998 (Publ. 157, 158, 159, 160).
- 57) XXVI Intern. Ass. European Seismological Commission, Tel-Aviv, Israel, August 1998 (Publ. 162).
- 58) XVI Congress Carpatho-Balkan Geological Association, Vienna 1998 (Publ. 163, 164).
- 59) 3rd Conference on the Geology of the Eastern Mediterranean, Cyprus 1998 (Publ. 165, 166, 167).
- 60) European Union of Geosciences, E.U.G. 10, Strasbourg 1998 (Publ. 171, 172).
- 61) International Earth Sciences Congress on the Aegean (IESCA), Izmir 2000 (Publ. 176-187).
- 62) Intern. Conference Geotechnical Engineering, GeoEng 2000, Melbourne (Publ. 189).
- 63) 9th Congress of the Geological Society of Greece Ελληνικής, Thessaloniki 2001 (Publ. 192, 193, 194).
- 64) CIESM 2001, Split, Croatia (Publ. 195, 196, 197).
- 65) 2001 MARGINS Meeting, Kiel, October 2001 (Publ. 198).
- 66) International Seminar "Restoration of Historic Buildings in Seismic Areas", European Centre of Earthquake Prediction and Prevention, Lesbos 2001 (Publ. 200).
- 67) Wegener 2002, National Technical University, Athens (Publ. 202).
- 68) International Union on Geology and Geophysics (I.U.G.G.) July 2003, Sapporo Japan (Publ. 203, 204).
- 69) 7th Congress of Oceanography and Fisheries, 2003 (Publ. 205).
- 70) 10th Congress of the Geological Society of Greece, Thessaloniki 2003 (Publ. 207, 208, 209).
- 71) 32nd International Geological Congress, Florence 2004 (Publ. 210).
- 72) American Geophysical Union, Annual Meeting, Dec. 2004 (Publ. 211).
- 73) CIESM 2004, Istanbul, Turkey (Publ. 212).

- 74) IPETGAS 2005, 15th Intern. Petroleum & Natural Gas Congress, May 2005, Ankara (Publ. 215).
- 75) 1st Congress on Management of Disasters and Crisis, Karditsa, 2005 (Publ. 216).
- 76) 14th Meeting Assoc. European Geological Societies, Torino, Sept. 2005 (Publ. 219, 220, 221).
- 77) European Union of Geosciences (E.U.G.) Meeting, Vienna 2006 (Publ. 222, 223).
- 78) International Symposium Ophiolites 2006, Belgrade (Publ. 224).
- 79) XVII Congress Carpatho-Balkan Geological Association, Belgrade 2006 (Publ. 225, 226).
- 80) American Geophysical Union, Annual Meeting 2006 (Publ. 227 α , 228, 229).
- 81) Geological Society of America, Philadelphia Annual Meeting 2006 (Publ. 230).
- 82) NECAM 2006, Milos (Publ. 231).
- 83) 11th Congress of the Geological Society of Greece, Athens 2007 (Publ. 232).
- 84) 14th World Conference on Earthquake Engineering, Beijing, China 2008 (Publ. 237, 238).
- 85) European Union of Geosciences, 2008 General Assembly, Vienna (Publ. 239).
- 86) 3rd Congress of Antiseismic Mechanics and Technical Seismology, 5-7 November 2008 (Publ. 240).
- 87) ILP joint Task Forces, September 21-26, 2008, Ensenada, Baja California, Mexico (Publ. 241).
- 88) 33rd International Geological Congress, Oslo, August 6-14, 2008 (Publ. 242).
- 89) 62nd Geological Kurultai of Turkey, Ankara 2009 (Publ. 244, 245).
- 90) European Union of Geosciences, General Assembly 2009, 19-25 April, 2009, Vienna (Publ. 246).
- 91) International Conference on Marine Geology and Marine Technology, Ischia 2009 (Publ. 247).
- 92) Geotechnical Chamber of Greece, Conference on the Forest Fires of Eastern Attica, 8/12/2009, Athens (Publ. 248).

- 93) European Union of Geosciences, General Assembly 2010, May, Vienna (Publ. 249).
- 94) 12th Congress of the Geological Society of Greece, Patra, May 2010 (Publ. 250, 251, 252).
- 95) XVIII Congress of the Carpatho-Balkan Geological Association, Thessaloniki, 2010 (Publ. 254).

In summary, I have presented 158 contributions in 95 congresses, 37 in Greece and 58 abroad.

I was Chairman in the congresses No 9,14, 17, 19, 21, 24, 25, 28, 32, 35, 36, 40, 41, 42, 43, 44, 52, 54, 56, 58, 61, 63, 66, 67, 83 και 85 as well as in I.G.C.P. No 5 Meeting, June 1985, Kosice Tsechoslovakia, IGCP 276 Meeting in Lausanne, October 1989, IGCP 276 Meeting in Algeria, September 1990, IGCP 276 Meeting in Granada, Spain, September 1991, IGCP 276, Meeting in Sicily-Calabria, September 1993 and others.

X. RESEARCH ACTIVITY

My research extending over 35 years has resulted in 255 publications (see relevant list) which cover several topics of Geosciences and several geographical areas in Greece as well as abroad. My scientific work has been widely recognised exceeding 800 citations listed in the Chapter XII and the annex at the end of this curriculum vitae.

The main scientific topics of my research and the relevant publications are the following:

- 1) Tectonic Analysis of the various units and especially of the metamorphic rocks of the Cyclades (Publ. 1, 6, 7, 8, 12, 13, 14, 16, 18, 21, 23, 28, 29, 30, 31, 32, 35, 36, 52, 56, 57, 59, 62, 68, 71, 75, 76, 92, 101, 102, 103, 109, 119, 121, 128, 129, 179, 180, 208, 209).
- 2) Morphotectonics and Seismotectonics focused on the Aegean area (Publ. 2, 3, 11, 31, 37, 38, 41, 43, 49, 50, 58, 60, 61, 65, 70, 74, 78, 93, 94, 95, 96, 104, 108, 112, 113, 116, 118, 120,122, 126, 127, 130, 131, 132, 135, 136, 138, 139, 140, 141, 156, 157, 164, 181, 183, 185, 186, 192, 228, 229, 230).
- 3) Pre-Alpine events in Greece and correlations with the neighboring areas of the Tethys ocean (Publ. 4, 15, 20, 27, 33, 39, 40, 44, 46, 53, 54, 55, 63, 64, 73, 79, 80, 90, 91, 92, 105, 107, 122, 123, 155, 168, 210).
- 4) Paleogeography and Geodynamics of Greece during the Post-Alpine cycle (Publ. 3, 5, 9, 10, 24, 25, 26, 34, 41, 42, 49, 50, 69, 70, 78, 81, 110, 149, 162, 166, 169,

170, 184, 199, 202, 207, 211, 217, 222, 227, 231, 233, 236, 243, 244, 245, 250, 252).

- 5) The transition zone between the external and the internal Hellenides (Publ. 17, 22, 51, 66, 77, 86, 87, 98, 107, 116, 178).
- 6) Marine Geology and Geodynamics and submarine tectonic structures (Publ. 78, 82, 83, 88, 94, 95, 96, 99, 108, 127, 135, 136, 144, 145, 150, 152, 158, 159, 160, 165, 173, 182, 187, 191, 193, 194, 195, 196, 197, 198, 201, 203, 204, 205, 212, 214, 215, 218, 234, 235, 241, 242, 247, 251, 254, 255).
- 7) Natural Hazards (Publ. 61, 132, 134, 137, 138, 139, 141, 144, 151, 153, 154, 161, 172, 173, 174, 175, 188, 189, 190, 193, 200, 216, 219, 220, 223, 232, 237, 238, 239, 240, 246, 248, 249, 253).
- 8) Tectonostratigraphic Terranes in the Hellenides and the Mediterranean (Publ. 92, 101, 130, 131, 146, 147, 148, 163, 167, 171, 176, 177, 206, 213, 221, 224, 225, 226, 243).

Additionally, some papers concern the Tectonics of the Western Alps (Helvetic nappes north of Mont Blanc) (Publ. 45, 47, 48) and of the Bukk Mountains in the Hungarian Carpathians (Publ. 225, 226).

Besides my strong participation to several projects of the International Geological Correlation Programme of UNESCO/IUGS (IGCP projects No 5, 22, 25, 106, 250 and 276) I was scientific responsible of the following research projects at the University of Athens, funded from various sources of Greek or foreign origin.

- 1) Hydrogeological Studies of the Islands of Andros, Siphnos and Donoussa (1984-1988). Prefecture of Cyclades.
- 2) Neotectonic Map at scale 1/100.000, Sheet Korinthos (1986-1988). Earthquake Planning and Protection Organization.
- 3) Tectonic Analysis of the Milos Geothermal Field (1987-1988). Public Power Company.
- 4) Reconnaissance of Active Faults in the Saronikos, Messiniakos and Southern Evoikos Gulfs (1986-1988), in collaboration with the National Centre for Marine Research. Earthquake Planning and Protection Organization.
- 5) Study of the stress and deformation field in the area of Messinia following the Kalamata earthquake (1987-1989). Earthquake Planning and Protection Organization.
- 6) Tectonic Analysis of the Nisyros Geothermal Field (1989). Public Power Company.
- 7) Investigation of the Active Faults along the Hellenic Arc (1991-1993). General Secretariat of Research and technology.

- 8) Neotectonic Map of Argolis, Lygourio Sheet at scale 1/50 000 (1989-1992). Argolis Prefecture.
- 9) Geological investigation of Pre-seismic Electric Signals (1992-1993). European Union, Programme EPOCH.
- 10) Tectonic Analysis of the Lesvos Geothermal Field (1993-1994). General Secretariat of Research and Technology and Public Power Company.
- 11) Automatic system – Microzonation of Iraklion “AUTO-SEISMO GEOTECH”. Geotechnical programme of Prevention – mitigation of Seismic risk in cities of high seismic hazard. General Secretariat for Research and Technology (1995-98).
- 12) Geological & Tectonic Mapping and stress measurements in Epirus (NW Greece). Earthquake Prediction (1995-98). General Secretariat for Research and Technology.
- 13) Active Faults through Cities. Pyrgos – Patra (1995-96). XI Direction of the European Union.
- 14) Submarine geological and geophysical research of the coastal area around Ikaria Island (1996).
- 15) Monitoring of Seismic Activity along the Aegean Volcanic Arc: with focus on the eastern part of the arc in Kos and mainly Nisyros Islands (1998). European Centre for Prevention and Forecasting of Earthquakes.
- 16) Geodynamics of Dodekanese: the submarine area of Kos – Nisyros (1998-2001). Research Programme of Scholarships of oriented Research (ΥΠΕΡ 97), General Secretariat for Research and Technology.
- 17) Antiseismic Protection of Aegean Islands: Chios, Kos and Nisyros (1997-1998). Ministry of the Aegean.
- 18) Neotectonic Map at scale 1/100 000 of the Sitia district at the eastern part of the Lasithi Prefecture (1998). Ministry of Public Works and Environment and Lasithi Prefecture.
- 19) Space Technologies & G.I.S. for Seismic Risk Monitoring on Active Tectonic Structures (S.T.R.I.M. project) (1999). Council of Europe and European Centre for Earthquake Prediction and Prevention.
- 20) Microzonation study of Oea Municipality, Thira Island (2000). Ministry of Public Works and Environment and Municipality of Oea.
- 21) Geological and Tectonic Study of the Western Plain of Attica, within the Microzonation study after the 1999 Earthquake of Athens (1999-2002). Ministry of Public Works and Environment.

- 22) The borders of the Santorini Caldera in the area of Oea Municipality as far as Town Planning (2002). Ministry of Public Works and Environment and Oea Municipality.
- 23) Active faults in the Western Part of the North Aegean Trench (2002-2003). Ministry of Public Works and Environment/Earthquake Planning and Protection Organization.
- 24) Submarine Research of the Skyros Basin (2003-). Ministry of Public Works and Environment/Earthquake Planning and Protection Organization.
- 25) Submarine Reconnaissance of the Kos – Nisyros area for detection of submarine Volcanoes (1999). European Centre for Earthquake Prediction and Prevention/ National Centre for Marine Research.
- 26) Geo-Spatial warning systems, Nisyros volcano (Greece): An emergency case study (GEOWARN) (2000-2003). Contract no: IST-1999-12310. European Union.
- 27) Multidisciplinary Experiment for Dynamic Understanding of Subduction under the Aegean (MEDUSA). In collaboration with MIT. U.S. National Science Foundation (2005-).
- 28) Research on the detection and characterization of faults within the Planning of the Iraklion Municipality (2005-2006). Iraklion Municipality.
- 29) Study of specific Seismic Risk along the new train track at the area of Domokos (2005). ERGOSE (Organization of Train Transport).
- 30) Study of the Geological – Seismic Risk at the construction area of the High Technological Park Technopolis-Akropolis (2006). Papaspyrou and collaborators Technical Advisors.
- 31) Technical Studies of Environmental Restoration at sites of solid Wastes; Attica Prefecture (2005-2006). Ministry of Interior/Central Union of Municipalities.
- 32) Tracing Tsunami deposits in the Thermaikos Gulf, Northern Greece. Implications for Seismic and Tsunami hazard and Archaeology. (2007- 2009) IKYDA (National Foundation of Scholarships of Greece and Germany).
- 33) Forest Cities, Development of New Tools and Networks for Forest Fire Prevention Measures (2010-). Programme Life, European Union and Union of Municipalities of Attica.
- 34) Submarine Reconnaissance of Active Faults in Iraklion Gulf (2009- 2010). Iraklion Municipality.
- 35) Study of the Consequences in Greece of Climate Change: Paleoclimate – Sea Level Change – Natural Disasters (2009-2011). Banc of Greece.

XI. SCIENTIFIC COLLABORATIONS

I have collaborated with numerous Greek and foreign colleagues in various scientific issues. I have particularly collaborated with scientists within the UNESCO / IUGS IGCP projects and of neighboring countries. Since 1978 I have collaborated among others with the following:

- J. Aubouin, Academician and former President of the Academy in Paris, Professor at Paris VI (Sorbonne), who has presented five papers of mine in the Academy (Publ. 26, 32, 33, 47, 55).
- S. Adamia, Academician, Director of the Geological Institute of the Georgian Sciences in subjects of Geotectonics.
- B. Baldis, San Chuan University, Argentina, Project Leader of IGCP No 192, in subjects related to Paleozoic development of Gondwana.
- A. Baud, Dr. Director of the Geological Museum of Lausanne, on the Geodynamics of the Permo-Triassic period (common publications).
- A.A. Belov, Academy of Moscow, on correlations of the Pre-Alpine orogenic events.
- M.C. Blake, Dr. Geological Survey at Menlo Park, California, USA, on tectonometamorphic evolution of the Cycladic Blueschists (common publications).
- J. P. Brun, Professor at the Universities Paris VII and Rennes on microtectonics of blueschists.
- C. Burchfiel, Academician, Professor at M.I.T., on tectonics and neotectonics of the Balkans (Common publications).
- S. Capedri, Professor University of Modena, Italy, on ophiolites and Triassic volcanism (common publications).
- W. Cavazza, Professor University of Bologna, Italy, on correlation structures along geotraverses (common publications).
- E. Demirtasli, Dr. Director of Geological Mapping at M.T.A., Turkey, on geological correlations between Greece and Turkey (common publications).
- S. Durr, Professor University of Mainz, Germany, on Geology of Greece and supervision of the PhD thesis of my student D. Sakellariou in Chalkidiki.
- A. El-Hawat, Professor of Garyounis University, Benghazi, Libya, on geotectonic aspects of the Mediterranean (common publications).
- A. Escher, Professor, Director of the Geological Institute of Lausanne, on education of students of geology at the field.

- Z. Garfunkel, Professor of Hebrew University of Jerusalem, on Tectonics.
- J. Haas, Professor at the University of Budapest, former Geological Survey of Hungary, on geotectonic correlations of Carpathians and Hellenides.
- I. Finetti, Professor of the University of Trieste Italy, f. President of the Marine and Geophysical Committee of CIESM, on the tectonics of the Mediterranean (common publications).
- Z. Ivanov, Professor at the university of Sofia, on the Geology of Rhodope.
- S. Kovacs, Professor of the Eotvos Lorand University of Budapest, on the Paleogeography of Triassic and on the geology of the Bukk mountains (common publications).
- M. Julivert, Professor of the University of Barcelona, on tectonics and comparison of the Pyrenees and the Hellenides.
- D. Kozhukharov, Dr. Academy of Sofia, on the Geology of Rhodope (common publications).
- G. Lister, Professor Monash University, Australia, on the Tectonics of the Cyclades.
- I. Makris, Professor at the University of Hambourg, on geophysics and tectonics in the Aegean (common publications).
- H. Maluski, Professor at the University of Monpelie, France on radiochronology of metamorphic rocks of the Cyclades (common publications).
- E. Marton, Professor University Eotvos, Budapest on tectonics and Paleomagnetism (common publications).
- H. Masson, Professor University of Lausanne, on the Tectonics of the Western Alps.
- G. Monaco, Professor University of Perpignan, on Marine Geology and synsedimentary tectonics.
- R. Paepe, Professor University of Brussels, on the Quaternary Geology.
- K. Reicherter, Professor Technical University of Aachen, on Neotectonics and Tsunami analysis (common publications).
- H. Riedl, Professor University of Salzburg, Austria, on the Morphotectonic evolution of the Cyclades (common publications).
- J. Rodgers, Academician, Professor University of Yale, Connecticut, USA, on tectonics of metamorphic terrains.

- L. Royden, Professor at M.I.T., on Tectonics and geodynamics of the Aegean (common research project and publications).
- F.P. Sassi, Professor University of Padova, Italy, on Geological Correlations in the Mediterranean (co-leader with me of IGCP 276 and common publications).
- A. Seghedi, Dr at the Geological Institute of Roumania in Bukarest, on geotectonic structures of the Balkans (common publications).
- F. Steininger, Professor University of Wien on geological correlations of the Cenozoic.
- G. Stampfli, Professor University of Lausanne on the Paleozoic of the Tethys (common publications).
- B. Stoeckert, Professor University of Bonn, Germany, on Deep Drilling Projects in Crete (common publications).
- R. Stoyanov, Professor University of Stip, former Yugoslavia, on geological correlations in the Pelagonian (common publications).
- A. Tibaldi, Professor University of Milan, Italy, on volcanism of the Aegean (common publications).
- I. Zagorcev, Professor Academy of Sciences of Sofia, on the Geology of the Balkans (common publications).
- V. Zoubek, Academician, Thechoslovakia, Project Leader of IGCP 22, on the Precambrian rocks in the Balkans.

XII. RECOGNITION OF MY SCIENTIFIC WORK AND CITATIONS

XII.1 Member of Editorial Board of Scientific Journals

I participated in the editorial board of several special issues of international scientific journals and especially in the series of Newsletters of IGCP Projects of the UNESCO/IUGS. In the case of IGCP 276 Newsletter, I was the main editor of the 6 volumes (1989-1998).

Additionally, I am member of the Editorial Board of the following international scientific journals:

- 1) *Annales Geologiques des Pays Helleniques* (established in 1942), which since 2006 is re-named as *Hellenic Journal of Geosciences*, edited by the Geological Department of the University of Athens (since 1985).
- 2) *Geologica Balcanica*, edited by the Bulgarian Scademy of Sciences in Sofia (since 1991).
- 3) *Geologica Slovaca*, edited by the Slovak Academy of Sciences in Bratislava (since 1995).
- 4) *Terra Nova*, The European Journal of Geosciences, edited by Blackwell in Oxford, England (since 1997). This journal has an Impact Factor 2,14 for the 5 years term within the Citation Index.
- 5) *Turkish Journal of Geosciences*, edited by Tubitak (Secretariat of Research in Turkey) in Ankara (since 2000). Impact Factor 1,00 for 2008 within the Citation Index.
- 6) *MTA Bulletin*, edited by the Turkish Institute for Geology, in Ankara (since 2009).
- 7) Tectonophysics, Guest Editor for the Special Issue (595-596, 2013) "The Aegean: A natural laboratory for Tectonics – Tectonometamorphics"
- 8) Tectonophysics, Guest Editor for the Special Issue (597-598, 2013) "The Aegean: A natural laboratory for Tectonics – Neotectonics"

My publications have been cited in a number of special thematic volumes concerning the Geology of Greece and the Mediterranean such as:

- i) The volume "Alps, Apennines, Hellenides" edited by the International Geodynamics Commission, Stuttgart (1978).
- ii) The volume "Introduction to the Geology of Greece» within the 26th International Geological Congress in Paris (1980).
- iii) The volume "Geological Evolution of the Eastern Mediterranean" edited by the Geological Society in London (1984).

- iv) The volume "Geologie von Griechenland" edited by Gebruder Borntraeger (1986) (citation of 17 papers of mine).
- v) The volume « The igneous rocks of Greece. The anatomy of an orogen », edited by Gebruder Borntraeger" (2002) (citation of 17 publications of mine).

Several citations of my papers are also included in the Doctorat d' Etat of French colleagues, such as:

- i) J. ANGELIER (1979), "Neotectonique de l'Arc Egeen" 417 p.
- ii) J.J. FLEURY (1980), "Les zones de Gavrovo-Tripolitza et du Pinde-Olonos. Evolution d'une plate-forme et d'un bassin dans leur cadre alpine".
- iii) F. THIEBAULT (1982), "L'evolution geodynamique des Hellenides externes en Peloponnese meridional", 574 p.
- iv) J. FERRIERE (1982), "Paleogeographies et tectoniques superposees dans les Hellenides internes: les massifs de l'Othrys et du Pelion", 970 p.
- v) B. CLEMENT (1983), "Evolution geodynamique d'un secteur des Hellenides internes: L'Attique - Beotie (Grece continentale)". Lille, 521 p.
- vi) N. LYBERIS (1984), "Geodynamique du domaine egeen depuis le Miocene superieur", 367 p.
- vii) P. VERGELY (1984), "Tectonique des ophiolites dans le Hellenides internes. Consequences sur l'evolution des regions tethysiennes occidentales".

The search of my citations was based on: a) Scopus (Elsevier), b) ISI Web of Science (Science Citation Index Expanded (SCIE) and c) E.K.T. (National Documentation Centre , for publications before 1992).

The result was the following (as included in the lists at the annex).

- 1120 citations from journals of the Citation Index, concerning 113 publications.
- There are citations concerning 16 more publications (1, 2, 3, 4, 8, 11, 12, 18, 19, 20, 30, 38, 39, 51, 53, 59) in journals not included in the Citation Index for the period prior to 1992.

XIII. FURTHER SCIENTIFIC ACTIVITY AND CONTRIBUTION TO SOCIETY

During my participation in the boards of several scientific organizations I had a strong contribution to the development of several issues which often had a positive impact to the broader scientific and social community as summarized in the following.

At the *University of Athens* I had an important contribution to the Programme of under-graduate courses of the Geological Department with the establishment of several new topics in the obligatory as well as the optional list of the series of lectures for the undergraduate level (1984-85) as well as the post-graduate level on the Dynamic, Tectonic and Applied Geology (1994-95). Additionally, I had a strong contribution to the programme of post-graduate studies for Natural Hazards (2004-05). As director of studies of the post-graduate programme for Oceanography since 2007 I reformed the programme of MSC courses with the new title «Oceanography and Management of the Marine Environment» (officially published in 2008) and established several new courses. Both post-graduate programmes are in the process of evaluation.

At the *Geological Society of Greece* I have contributed as President of the Board with the organization of several international congresses (2nd, 3rd, 4th and 6th) with parallel organization of Scientific meetings of IGCP from UNESCO/IUGS. I have established systematic peer reviewing of the papers published in the Bulletin of the Geological Society of Greece. I also established the publication of a quarterly Newsletter called «Geoenimerosi» (Geoinformation) not only for all members of the society but also for the public. I also established the non periodical series of Scientific Publications of the Society, related to scientific events either on national basis or international. In 1989 I applied for the Carpatho-Balkan Geological Association and the Society became member together with the rest 8 countries and in 1995 I organized the 15th Carpatho-Balkan Congress (first held in Greece whereas the second is organized in 2010 in Thessaloniki as the 19th CBGA Congress). In 1989 I applied to the Union of the European Geological Societies and Greece became member.

At the *Earthquake Planning and Protection Organization (EPPO)* I promoted several subjects of applied research during the period 1983-1989 as member of the board and mainly during 1993-1998 as President, such as:

- 1) The launching of the national programme for Neotectonic Maps of Greece at scale 1/100.000, which for the first time included all the Geological Departments of the Universities and the Geological Survey (IGME). Until now there are about 25 neotectonic maps finished (total number 105) and 7 of them have been printed. The editing of the neotectonic maps is in collaboration to the Tectonic Committee of the Geological Society of Greece.
- 2) The launching of the national programme for the Submarine Neotectonic Maps of Greece in collaboration to the National Centre for Marine Research. During the first pilot phase of the programme the research covered the three gulfs of Messiniakos, Saronikos and Southern Evoikos.
- 3) The elaboration and legalization of the New Antiseismic Code of Greece for the constructions under the supervision of the Ministry of Environment and Public Works.

- 4) The co-ordination and financial support of the existing seismological networks at the Universities and the Geodynamic Institute of the National Observatory of Athens in one National Seismographic Network.
 - 5) The training of civil protection servants in emergency and crisis management.
 - 6) The organization of seminars for antiseismic protection of teachers, professors and students at the primary and secondary education level in collaboration with the Ministry of Education.
 - 7) The establishment of the National Committee for the Evaluation of Seismic Risk, which I presided for several years (including the 1999 Athens Earthquake).
- Throughout my service in the board of the EPPO I had a strong contribution to the management of the catastrophic events and especially during my presidency (Kozani- Grevena, Aegion, Konitsa, Athens).

At the European Centre for Earthquake Prediction and Prevention, which is under the Council of Europe I developed during my presidency an activity with several seminars and meetings ("Gender Approaches to Emergency Situations: Womens Realities" 1995, "The Dramatic Earthquake of Kobe" 1995, "Symposium on Seismicity of the Carpatho-Balkan Region" 1995, "Seminar on Active Faults" 1995, "History and Future of Eurocode 8" 1996, "International Workshop on the Research Programmes for Prevention and Forecasting of Earthquakes" 1996). Since 1997 I established the edition of the Newsletter of the Centre.

At the National Centre for Marine Research (NCMR) I promoted as President of the Board and General Director from 1994-2000 the following:

- 1) The International Research Programmes and research budget were tripled.
 - 2) Part of the Centre was temporarily moved to the available facilities of the Flemming Research Institution in Vari and the old traditional building of Aghios Kosmas was upgraded both as far as its facilities and its equipment (1995-1996).
 - 3) An area of 14000 square meters was bought together with a former hotel in Mavro Lithari, Anavissos for the permanent establishment of the Centre (1996). The study of the transformation of the building was completed within a couple of years and the new Centre was constructed in the following 2-3 years (It finally moved at its own infrastructure in 2003).
 - 4) The transformation and elongation (from 50 to 60 m) of the Oceanographic Research Vessel «Aegeon» (1996-1997).
 - 5) The Submersible «Thetis» was bought from France and was adapted to the Oceanographic Vessel «Aegeon» (1999). It started to operate for research programmes of Submarine Archaeology (in collaboration to the Ministry of Culture) and Marine Geodynamics (Active Faults, Volcanoes, Landslides etc).
 - 6) The Hydrobiological Station of Rhodos was renovated with new pumping systems for the Aquarium and the creation of seminar facilities (1997-2000).
 - 7) The high technological research programme «Poseidon» involving operational oceanography which was established at a separate special building in Alimos area until its move to the permanent base at Mavro Lithari (1999-2000).
 - 8) The creation of a new research activity on Submarine Seismology with development of submarine seismographs (OBS) in collaboration with the University of Hamburg (one of the experts worldwide) (1997-2000).
- Additionally, the high tech equipment for the creation of digital bathymetric maps, known as Multi beam systems, was bought and mounted under R/V «Aegeon» giving the opportunity for detailed submarine cartography.

The above actions were successive steps within the national policy for Marine Research which was established in Greece with a dominant role of NCMR within the Eastern Mediterranean Sea. This effort was recognised in October 2000 when the Centre was evaluated (its second evaluation after 1995) as Centre of Excellence for the European Union.

At the *General Secretariat for Civil Protection* of the Ministry of Interior I promoted the new Law for Civil Protection (Law 3013/2002), which involved a new understanding of crisis management, based on new technologies with Geographic Information Systems (GIS) and continuous scientific monitoring on operational level at the state services. The annual planning for Prevention, readiness and recovery was established with local plans adapted to the local conditions and integral use of scientific data (meteorological, climatic, seismologic, geologic and geotechnical, forestial etc). The educational and informational issues were developed with special programmes for schools and special campaigns in the radio and TV especially as far as forest fires are concerned. Special projects were undertaken for the Volunteers of Civil Protection with establishment of a special Registry Office and their enforcement with equipment and training. The Municipalities were for the first time involved in civil protection actions supplementary to the role of the Prefectures.

XIV. EXPERIENCE ON ADMINISTRATION ISSUES

During my participation in the Boards of several Institutions I have obtained a long experience in Administration. The overall experience can be summarized in the following:

- 1) Member of the Board of the Geological Society of Greece during 8 periods (1977-1996) with three presidencies and one vice-presidency.
- 2) Member of the Board of the Geographical Society of Greece during two periods (1982-1988).
- 3) Member of the Board of the Earthquake Planning and Protection Organization for two periods (1983-1989) and President of the Board for two periods (1993-1998).
- 4) President of the Organizing Committee of International Congresses and of IGCP Meetings of UNESCO/IUGS.
- 5) Scientific responsible of 35 research programmes through the Special Research Account of the University of Athens.
- 6) Project Leader of the International Geological Correlation Programme of UNESCO/IUGS, IGCP No 276 «Paleozoic in the Tethys» with participation of more than 200 scientists from 24 countries along the Tethyan Orogenic Belt from Spain and Morocco in the west to Malaysia in the east (1988-1995).
- 7) Director of the Department of Dynamic, Tectonic and Applied Geology, University of Athens (1991-1994 and 2009-2010).

- 8) President of the Carpatho-Balkan Geological Association (1993-1995).
- 9) President of the European Centre for Earthquake Prediction and Prevention of the Council of Europe (1993 -1999).
- 10) President and General Director of the National Centre for Marine Research (1994-2000).
- 11) General Secretary of Civil Protection of the Ministry of Interior (2000-2002).
- 12) Director of the Laboratory of the Study and Prevention of Natural Disasters of the University of Athens (2004-).
- 13) Director of the Post-Graduate MSC Programme on Oceanography and Management of Marine Environment of the University of Athens (2007-).
- 14) Director of the Post-Graduate MSC Programme of Prevention and Management of Natural Disasters of the University of Athens (2009-).

XV. PUBLICATIONS

From 1973 to 2013 (April) 281 papers have been published in scientific journals. 54 papers are in scientific journals of the Science Citation Index, 112 in international journals and Proceedings of Congresses with peer review system, 23 in Greek journals and special editions (maps, fieldguides etc) and 108 are Abstracts in Congresses without up to date publication of the full text of the presented contributions.

1. ΜΑΡΙΟΛΑΚΟΣ, Η. & ΠΑΠΑΝΙΚΟΛΑΟΥ, Δ. 1973.
Παρατηρήσεις επί της Τεκτονικής του Δυτικού Πεντελικού - Αττική.
Δελτίον Ελληνικής Γεωλογικής Εταιρίας, Χ, 2, 134-179.
MARIOLAKOS, I & PAPANIKOLAOU, D. 1973.
Observations on the Structural Geology of Pentelikon Mt – Attica.
Bulletin of the Geological Society of Greece, Χ, 2, 134-179.
2. ΜΑΡΙΟΛΑΚΟΣ, Ι., ΛΕΚΚΑΣ, Σ. & ΠΑΠΑΝΙΚΟΛΑΟΥ, Δ. 1976.
Quantitative geomorphological analysis of drainage patterns in the Vth order basins of Alfios River (Peloponnesus, Greece).
Arb. Geogr. Inst. Univ. Salzburg, 6, 229-264.
3. SABOT, V. & ΠΑΠΑΝΙΚΟΛΑΟΥ, Δ. 1976.
La contribution de l'analyse geomorphologique a l'etude des grands mouvements du socle dans la Mer Egee.
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