

PAOLO GASPARINI CURRICULUM VITAE

Dipartimento di Scienze Fisiche
Università di Napoli Federico II
Campus di Monte S. Angelo- Via Cintia 25
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Citizenship:

Italian

Present Position:

- Professor Emeritus at the Department of Physical Sciences, University of Napoli Federico II;
- President of AMRA Scarl, a no-profit public research enterprise owned by University of Napoli Federico II (leading partner) with four Universities and three national research agencies; (since 2005)

CV

- Full Professor of Geophysics at the Faculty of Sciences University of Napoli Federico II (1970-2011)
- Director of the Vesuvian Volcanological Observatory (1970-1983)
- Director of the Institute of Earth Physics of the University of Napoli (1970-73)
- Free docent in Earth Physics since 1967
- Engineer (1963-64) and Assistant Professor (1964-70) at the Institute of Earth Physics of the University of Napoli
- Italian CNR Fellow at the Institute of Earth Physics of the University of Napoli (1962)
- Graduated with praise in Geological Sciences at the University of Napoli with a thesis on “Radioactivity of the Island of Ischia” (1961)

Positions abroad:

- FAPESP Visiting Professor at the Instituto Astronomico e Geofisico, Universidad de Sao Paulo, Brasile (1978-80)
- NTNf Visiting Professor at the Oslo Mineralogisk Geologisk Museum and at the Geological Survey of Norway at Trondheim and Bergen to carry out a project on “Isotope Geochemistry and Radioactivity of rocks” (1977)
- Invited Professor at the Department of Geology, Rice University, Houston, Texas, to teach “Gamma ray spectrometry and Uranium exploration” (1968-69)
- Research Fellow at the Lawrence Radiation Laboratory, Berkeley, California, to carry out a project on “Low level natural radioactivity” (1970);
- NATO Fellow at the Department of Geology, Rice University, Houston, Texas, to carry out a project on natural radioactivity and K-Ar geochronology of Italian volcanoes (1967-68)

Further Teaching activities

- Geophysics class at Scuola Normale of Pisa (1974-76)
- Seismology class at Instituto Nacional de Sismologia de Venezuela, Caracas (1976)
- Course on Geophysical methods of volcano monitoring, UNESCO School on volcanic risk, Capelinhos, Acores, (1977)

- Course of Geophysical Methods for Geothermal Exploration, UNDP-IILA School, Manizales (Colombia) (1983)
- Coordinator of the Ph.D. course of “Geophysics and Volcanology” at University of Napoli Federico II (1990-93)
- Coordinator of the Ph.D. course on “Seismic Risk” at the University of Napoli Federico II (2000-2006)
- Faculty Member of “European School for Advanced Studies in Reduction of Seismic Risk (ROSE)”, Istituto Universitario di Studi Superiori, Pavia (since 2001-2010)
- Faculty Member of the Ph.D. course in “Geophysics” at the University of Bologna (2002 - 2010)
- Scientific Coordinator of “Scuola di Alta Formazione sui Rischi Ambientali” Regione Campania (2003-2007)

Main Scientific Projects:

- Director of Progetto Finalizzato di Geodinamica of CNR (1974-1977)
- Coordinator for Europe of the Unit of Crustal Anomalies of NASA MAGSAT Project (1980-83)
- National Coordinator of the MURST “LEMI” (Litosfera elettromagnetica in Italia) Project (1993-1997)
- Principal Investigator of the the EC FP4 TomoVes (Seismic Tomography of Mt. Vesuvius) Project (1998-2000)
- Principal Investigator of the EC FP5 PEFIRVES Project (2002-2003)
- Principal Investigator of the EC FP6 NaRAs (Natural Risk Assessment) Project (2004-2006)
- Steering Committee member of the EC FP6 SAFER (Seismic Early Warning for Europe) Project (2006-2008)
- Scientific Coordinator of “Centro Regionale di Competenza Analisi e Monitoraggio del Rischio Ambientale (AMRA)”. Regione Campania (2002-2006)
- RELUIS – DPC Seismic Engineering Project. Scientific Coordinator of the reaserch line: “Seismic Monitoring and early warning of strategic structures” (2005-2007; 2009-2013).
- Management Committee member of the EC FP7 MATRIX Project (2010-2013)
- WP Leader of the EC FP7 CLUVA (Climatic Change Urban Vulnerability of Africa) Project (2010-2013)
- Principal Invesigator of The EC FP7 REAKT Project (2011-2014)

Italian Committees

- Scientific Committee of Istituto Internazionale di Vulcanologia (CNR) (1971-1974)
- Committee for Constructions in seismic areas of Ministero dei Lavori Pubblici (1970-1977);
- Scientific Committee of Istituto Nazionale di Geofisica (1972-1976)
- National University Committee (CUN), Geological Sciences (Ministero della Pubblica Istruzione) (1982-1985)
- National Hydrocarbons Committee, Ministero dell’Industria (1988-1996)
- Great Risks Committee, Italian Civil Defence (1994-2000)
- Technical – Scientific Committee of Fondazione IDIS-Città della Scienza, Napoli (1990-2003)
- Committee for the evaluation of the Department of Physics, Università di Bologna. (2002)
- Committee for the Guide Lines of Land Use Planning, Regione Campania (2003-

2004)

- National Committee of Civil Protection for the updating of the emergency plans for volcanic risk related to Mt. Vesuvius and Phlegraean Fields (2002-2005)
- Committee for the Guidelines of the program for Sustainable Development in Campania, Regione Campania (2007)
- Committee for the Selection of the site of the Wastes Incinerator Plant of Napoli (Dipartimento Nazionale di Protezione Civile)
- Program Coordinator of DPC-INGV Volcanological Research Projects (2012-2015)

International Committees

- CNRS-INAG ATP Geodynamique, France, Scientific Committee (1975-1977)
- Scientific Committee of the French Government for emergency management of the volcanic crisis at Soufriere of Guadeloupe (1976)
- Interunion Commission of Geodynamics (IUGG-IUGS) (1975-1977)
- Executive Committee of International Union of Geodesy and Geophysics (IUGG) (1991-1995)
- Expert Committee of French Ministry of Transports (1995-1997)
- European Commission Delegation for an Agreement on Research on the Environment with the India Government (2004)
- Committee of European experts for the preparation of the United Nations Conference of Kyoto on Environmental Risks (2005)
- Advisory Group for the Environment of the European Commissioner of Research (2006-2008)
- Scientific Committee of GIS Curare, Nice (since 2005)
- Scientific Committee of Pole Gestione des Risque de la Region PACA, France, (since 2006)
- Assembly of Governors of the International Continental Drilling Program (since 2008)
- Technical Scientific Committee of Canadian-Italian Chamber of Commerce of Montreal (since 2009)
- Secretary of the International Commission on Earthquake Forecasting (Dipartimento di Protezione Civile, Italia) (2009)

International Associations

- Vice-President of International Association of Volcanology and Chemistry of the Earth's Interior (1987-1991)
- President of International Association of Volcanology and Chemistry of the Earth's Interior (1991-1995)
- Life Member of the American Geophysical Union

Awards

- Gold Medal of the President of the Republic of Italy

Consultancy for International Agency

- Organizacion Latino Americana Desarrollo Energetico (OLADE)
- United Nations Department of Energy
- UNESCO
- U.S. Agency for International Development
- World Bank

Consultancy for Enterprises

- AGIP, Milano, Italy
- AQUATER, San Lorenzo in Campo, Italy
- ASIA, Napoli, Italy
- CEL, El Salvador
- COGEFAR, Milano, Italy
- DEP, Athens. Greece
- ELECTROCONSULT, Milano, Italy
- ELSEVIER PUBL.CO., Amsterdam, Holland
- ENEA, Roma, Italy
- ENEL, Roma, Italy
- ENTERPRISE OIL, London, UK
- GEOMINERARIA, Torino, Italy
- GEOSYSTEM, Milano, Italy
- GEOTERMICA ITALIANA, Pisa, Italy
- ITALSIDER, Napoli, Italy
- IHRE, Panama
- NUCLEAR ENTERPRISE, London, UK
- RIMIN, Follonica, Italy
- SIGECOR, Napoli, Italy
- SNAM PROGETTI, Milano, Italy
- STRETTO DI MESSINA, Roma, Italy
- TEXACO, Houston, USA
- T.P.A.O., Ankara, Turkey
- UNILEVER, Roma, Italy
- UNOCAL, Santa Rosa, California, USA

Editorial Activity

Articles published on:

- IL CORRIERE DELLA SERA, Milano
- IL GIORNO, Milano
- IL MATTINO, Napoli
- IL MESSAGGERO, Roma
- IL GIORNALE DI NAPOLI, Napoli
- PAESE SERA, Roma
- IL ROMA, Napoli
- IL SOLE 24 ORE, Roma
- O GLOBO, Sao Paulo
- TIMES, New York
- LE SCIENZE, Milano
- SCIENZA 2000, Roma
- SCIENCE 86, Washington
- LE SCIENZE E IL LORO INSEGNAMENTO, Firenze
- TEKNOS, Milano.

Scientific Papers:

a) Articles on Scientific Journals

1. GASPARINI P., RAPOLLA A., SABINI P., 1961. **Rilievo radiometrico dell' isola d' Ischia.** Atti XI Conv. Ass. Geofis. It., Roma.
2. GASPARINI P., 1962. **Il Torio e l'Uranio nel processo di differenziazione magmatica.** Annali Osserv. Vesuv. 3:22 - 57.

3. VITTOZZI P., GASPARINI P., 1963. **Determinazione delle concentrazioni di isotopi radioattivi nelle rocce mediante spettrometria gamma.** Atti XII Conv. Ass. Geofis. It., 1-17.
4. GASPARINI P., LUONGO G., DAVIA G., 1963. **Misure di radioattività alla Solfatarà di Pozzuoli.** Atti XII Conv. Ass. Geofis. It., 9 pp.
5. GASPARINI P. 1963. **Radioattività delle lave del Monte Rotaro (Isola d' Ischia).** Ric. Sci., 33: 375-80.
6. GASPARINI P., LEONE F., PIRAJNO F., 1964. **Spettrometria gamma delle lave dell' isola d' Ischia.** Atti XIII Conv. Asso. Geof. It., 16 pp.
7. GASPARINI P., 1964. **Radioactivity of the lavas of the island of Ischia.** Annali Osserv. Vesuv., 5: 36pp.
8. VITTOZZI P., GASPARINI P., 1964. **Gamma ray spectra of some lavas from Vesuvius.** Bull. Volcanol., 27: 15 pp. (Cit. 5)
9. IMBO' G., BONASIA V., GASPARINI P., 1964. **Rilievo gravimetrico dell'isola di Procida.** Annali Osserv. Vesuv. 6:113-137 (Cit. 4)
10. BONASIA V., GASPARINI P., 1965. **Contributo alla studio dell' evoluzione magmatica del Vulture mediante misure di radioattività.** Annali Osserv. Vesuv., 7, 16 pp. (Cit. 2)
11. CIVETTA L., GASPARINI P., RAPOLLA A., 1965. **Aspetti dell' evoluzione magmatica del vulcano di Roccamonfina attraverso misure di radioattività.** Annali Osserv. Vesuv., 7:31 pp.
12. GASPARINI P., 1965. **Contributo allo studio di alcune forme crateriche in prossimità del Monte Massico (Caserta) mediante misure di gravità.** Annali Osserv. Vesuv., 7:23-43 (Cit. 3)
13. GASPARINI P., 1966. **Indagini gravimetriche su alcune forme crateriche della Campania settentrionale.** Atti Accad. Pont., 15: 9-11
14. GASPARINI P., LUONGO G., RAPOLLA A., 1966. **Comparison between gamma ray spectra of fall out and rain out in Naples, June 1965, from the Chinese nuclear tests.** Atti XV Conv. Ass. Geofis. Ital., 141-146
15. CIVETTA L., GASPARINI P., 1966. **Some problems concerning the K-Ar dating of Quaternary volcanic rocks.** Annali Osserv. Vesuv., 8:4-21
16. GASPARINI P., LIRER L., LUONGO G., 1966. **Caratteristiche petrochimiche e fisiche della lava emessa dallo Stromboli nell' aprile 1967.** Annali Osserv. Vesuv., 8:37-52 (Cit 6)
17. IMBO' G., GASPARINI P., LUONGO G., RAPOLLA A., 1968. **Contributions to the volcanological researches by determination of the radioactivity of eruptive products.** Bull. Volc., 32:200-225 (Cit. 6)
18. GASPARINI P., ADAMS J.A.S., 1969. **K-Ar dating of Italian Plio-Pleistocene volcanic rocks.** Earth Plan. Sci. Letters, 6:225-230 (Cit 36)
19. CIVETTA L., GASPARINI P., ADAMS J.A.S., 1969. **Determination of Potassium by gamma-ray spectrometry for K-Ar geochronology.** Anal. Chem., 41:1319-1322
20. CIVETTA L., GASPARINI P., 1969. **Torio ed Uranio nella Crosta e nel Mantello Superiore: loro significato per lo studio della genesi e contaminazione dei magmi.** Atti XVIII Conv. Ass. Geofis. Ital., 112-128
21. CIVETTA L., GASPARINI P., ADAMS J.A.S., 1970. **Geochronology and geochemical trends of volcanic rocks from Campania, S. Italy.** Eclogae Geol. Helv., 63:57-68 (Cit 6)
22. GASPARINI P., 1970. **Metodi radioattivi per la geocronologia assoluta di prodotti vulcanici quaternari.** Atti Accad. Pont., 19:7pp.
23. CAPPELLO P.P., GASPARINI P., 1970. **Distribuzione di Th, U e K nelle rocce Precambriane della Norvegia meridionale.** Boll. Soc. Natural. Napoli, 79: 163-174.
24. CAPALDI G., CIVETTA L., GASPARINI P., 1971. **Fractionation of the ^{238}U**

- decay series in the zeolitization of volcanic ashes.** Geoch. Cosmoch. Acta, 35:1067-1072 (Cit 8)
- 25.CIVETTA L., CORTINI M., GASPARINI P., SCANDONE R., 1971. **Il laboratorio K-Ar dell' Istituto di Fisica Terrestre dell' Universita' di Napoli.** Rend.Soc. Ital. Mineral. Petrol.,27:309-319 (Cit.8)
- 26.CAPALDI G., GASPARINI P., MOAURO A., SALVIA E., TRAVAGLIONE O.,1972. **Rare Earth abundances in the alkaline volcanic rocks from Campania, South Italy.** Earth Plan. Sci. Letters, 17:247-257 (Cit 13)
- 27.CIVETTA L., GASPARINI P., 1973. **Review of Uranium and Thorium distributions in recent volcanics from Southern Italy: magmatological and geophysical implications.** In:"The Natural Radiation Environment", Eds.: J.A.S.Adams, T.G.Gaskell,W.L.Lowder,U.S. Atomic Energy Commission.(Cit 10)
- 28.CIVETTA L., CORTINI M., GASPARINI P., 1973. **Interpretation of a discordant K-Ar age pattern (Capo Vaticano, Calabria).** Earth Plan. Sci. Letters, 20:113-118 (Cit.8)
- 29.BARBERI F., GASPARINI P., INNOCENTI F., VILLARI L., 1973.**Volcanism of the Southern Tyrrhenian Sea and its geodynamic implications.** J.Geophys.Res.,78:5221 – 5232 (Cit 234)
- 30.D'ARGENIO B., GASPARINI P.,1973. **La struttura dell'Appennino ed i terremoti.** Le Scienze, n.59:13-21
- 31.BARBERI F., CIVETTA L., GASPARINI P., INNOCENTI F., SCANDONE R., VILLARI L.,1974. **Evolution of a section of the Africa - Europe plate boundary: paleomagnetic and volcanological evidence from Sicily.** Earth Plan. Sci. Letters, 22:123-132 (Cit 125)
- 32.CIVETTA L., DE FINO M., GASPARINI P., GHIARA M.R., LA VOLPE L., LIRER L., 1975. **Structural meaning of Central East Afar volcanism (Ethiopia, T.F.A.I).** J.Geology, 83:363-373 (Cit 10)
- 33.CIVETTA L., DE FINO M., GASPARINI P., GHIARA M.R., LA VOLPE L., LIRER L.,1975. **Geology of central-eastern Afar.** In: "The Afar Depression in Ethiopia", Eds: O. Pilger, A.Roesler,Scweizerbat'sche Verlags, Stuttgart (Cit 4)
- 34.CAPALDI G., CORTINI M., GASPARINI P., PECE R., 1976. **Short-lived disequilibria in freshly erupted volcanic rocks and their implication for the preeruptive history of a magma.** J.Geophys.Res., 81:4186-4201 (Cit 47)
- 35.CAPALDI G.,CIVETTA L.,GASPARINI P.,1976. **Volcanic history of the island of Ischia, S Italy.** Bull.Volc., 40:1-12 (17)
- 36.BARBERI F.,GASPARINI P.,1976 **Volcanic hazards.** Bull. Intern. Ass. Eng. Geol., 14:217-232 (Cit 9)
- 37.GASPARINI P., GUERRA I., LOBASCIO A., LUONGO G., NAZZARO A.,1977. **Sismologia e tettonica a zolle nell' area Mediterranea.** Mem. Soc. Geol.Ital.,Suppl., 13:51-65
- 38.BARBERI F., GASPARINI P.,1977. **Il rischio vulcanico.** Le Scienze, n.105: 26-37
- 39.BARBERI F., CAPALDI G., FERRARA G., GASPARINI P., INNOCENTI F., JORON L., LAMBRET L., TREUIL M., ALLEGRE C., 1978. **The basalts of the Leg 42 Site 373A deep sea drilling in the Tyrrhenian Abyssal Plain.** In: "Initial Report of the Deep Sea Drilling Project" 42/1: 509-514 (Cit 62)
- 40.GASPARINI P., MANTOVANI M.S.M., 1978. **Radon anomalies and volcanic eruptions.** J.Volc.Geoth.Res., 3:325 - 341. (Cit 25)
- 41.GASPARINI P., MANTOVANI M.S.M.,1979. **Geochemistry of charnockites from Sao Paulo State, Brazil.** Earth Plan. Sci. Letters, 42:311-320 (Cit 15)
- 42.BLITZKOW D., GASPARINI P., MANTOVANI M.S.M., SA'N.C. 1979. **Crustal structures of South Eastern Minas Gerais, Brazil, deduced from gravity measurements.** Rev.Bras.Geoc., 9: 39-43 (Cit. 8)

43. CORRADO G., GASPARINI P., MANTOVANI M.S.M., RAPOLLA A., 1979. **Depth of Curie temperature computed from aeromagnetic anomalies in Southeastern Minas Gerais, Brazil.** Rev.Bras.Geoc., 9:33-38
44. GASPARINI P., MANTOVANI M.S.M., CORRADO G., RAPOLLA A., 1979. **Depth of Curie temperature in continental shields: a compositional boundary?.** Nature, 278: 845-846 (Cit 10)
45. BARBERI F., GASPARINI P., 1979. **Letter to the Editor.** J.Volc.Geotherm.Res., 6: 1-2.
46. GASPARINI P., MANTOVANI M.S.M., 1980. **Geochemistry and geology of uranium ore deposits.** In: "Geophysical aspects of the energy problem". Eds: G.V.Keller, M.Moore, A.Rapolla. Elsevier Publ.Co., Amsterdam
47. BARBERI F., CAPALDI G., GASPARINI P., MARINELLI G., SANTACROCE R., SCANDONE R., TREUIL M., VARET J., 1980. **Recent basaltic volcanism of Jordan and its implications on the geodynamic history of the Dead Sea shear zone.** In: "Geodynamic evolution of the Afro-Arabian Rift System" Accademia Nazionale dei Lincei, Roma, 667-683
48. GASPARINI P., MANTOVANI M.S.M., SHUKOWSKY W., 1981. **Interpretation of long wavelength magnetic anomalies.** In: "The solution of the inverse problem in geophysical interpretation". Ed: R.Cassinis, Plenum Publ.Co., London.
49. GASPARINI P., MANTOVANI M.S.M., SCANDONE R., 1981. **A thermal model of the magma reservoir feeding Plinian eruptions at Mt. Vesuvius (Italy).** Bull.Volc., 44:317-326 (Cit 8)
50. DEL PEZZO E., GASPARINI P., MANTOVANI M.S.M., MARTINI M., CAPALDI G., GOMES Y.T., PECE R., 1981. **A case of correlation between Rn anomalies and seismic activity on a volcano (Vulcano Island, Southern Tyrrhenian Sea).** Geophys.Res.Letters, 8:962-965 (Cit.12)
51. GASPARINI P., 1982. **Vulcanologia.** Enciclopedia Italiana, App.II, 847-849
52. GASPARINI P., MANTOVANI M.S.M., 1983. **Heat transfer in geothermal areas.** In: "Geothermal energy" Eds: G.V.Keller, A.Rapolla, University of Colorado Press, Denver.
53. GASPARINI P., MANTOVANI M.S.M., RIBEIRO F.B., 1984. **Temperature dependence of Radon diffusion from some rocks and minerals.** Boll. Geofis. Teor. Appl., 26:135-141 (Cit 6)
54. GASPARINI P., 1984. **Il Progetto MAGSAT.** Scienza e Tecnica, 84: 92-95.
55. GASPARINI P., 1984. **History of radioactivity.** In: "Uranium geochemistry, mineralogy, geology exploration and resources", Eds: B.De Vivo, F.Ippolito, G.Capaldi, P.R.Simpson, The Institution of Mining and Metallurgy, London, pp.1-3.
56. FEDI M., GASPARINI P., MANTOVANI M.S.M., MONACO F., PIERATTINI D., 1986. **MAGSAT anomalies of crustal origin in Europe.** Boll. Geofis. Teor. Appl. ,28:235-240
57. SCARPA R., ZOLLO A., GASPARINI P., 1986. **Modelli fisici del processo di frattura e movimenti del suolo durante i terremoti: implicazioni per l'ingegneria sismica.** Ingegneria Sismica, 3:54 - 68
58. GASPARINI P., VELTRI C., 1987. **Radon: un precursore dei terremoti?.** In: "Aree sismogenetiche e rischio sismico in Italia" Eds: E.Boschi, M.Dragoni, Editrice Galilei, Lausanne.(Cit. 4)
59. SCARPA R., GASPARINI P., 1987. **Processi di frattura e movimenti del suolo durante i terremoti in Italia.** In: "Aree sismogenetiche e rischio sismico in Italia" Eds: E.Boschi e M.Dragoni, Editrice Galilei, Lausanne.
60. GASPARINI P., 1987. **La magnetotellurica.** Le Scienze, N.231:70-93
61. GASPARINI P., 1987. **Magmi in azione: Campi Flegrei, Long Valley, Rabaul.** In: "L'attivita' vulcanica" Ed: P.Gasparini, Quaderno N.39 di Le Scienze.

62. CAPUANO P., GASPARINI P., ZERILLI A., 1988. **Improvement of MT soundings through combination with TDEM soundings.** *Jeofizik*, 2: 143-150.
63. CAPUANO P., DE NATALE G., GASPARINI P., PINGUE F., SCARPA R., 1988. **A model for the 1908 Messina Straits (Italy) earthquake by inversion of leveling data.** *Bull. Seism. Soc. Amer.*, 78: 1930-1947. (Cit. 41)
64. BOTTARI A., CAPUANO P., GASPARINI P., NERI G., SCARPA R., 1989. **Source parameters of the May 1985 seismic swarm in the Messina Straits, Southern Italy.** *Tectonophys.*, 166: 221-234 (Cit. 16)
65. DVORAK J.J., GASPARINI P., 1990. **Historical activity at Campi Flegrei Caldera, Southern Italy.** *Earthquakes and Volcanoes*, 22: 256-267.
66. DVORAK J.J., GASPARINI P., 1991. **History of earthquakes and vertical ground movement in Campi Flegrei caldera, southern Italy: comparison of precursory events to the A.D. 1538 eruption of Monte Nuovo and of activity since 1968.** *J. Volcanol. Geotherm. Res.*, 48: 77-92. (Cit. 43)
67. CAPUANO P., GASPARINI P., PERONACI M., SCARPA R., 1992. **Strong ground motion and source parameters of earthquakes in the Appennines, Italy.** *Earthquake spectra*, 8: 529 -554 (Cit. 3)
68. CAPUANO P., CONTINISIO R., GASPARINI P., 1992. **Structural setting of a typical potassic volcano (Roccamonfina, Southern Italy) from gravity and MT data.** *J. Volcanol. Geotherm. Res.*, 53: 355-369. (Cit. 10)
69. GASPARINI P., MUSELLA S., PIERATTINI D., 1992. **Macedonio Melloni and the foundation of the Vesuvius Observatory.** *J. Volcanol. Geotherm. Res.*, 53: 1-10.
70. CACCIATORI G., GASPARINI P. 1993. **Terra: il punto di vista filosofico ed il punto di vista scientifico.** *Fridericiana*, 4: 201-223
71. CAPUANO P., GASPARINI P., 1993. **La magnetotellurica e la struttura della litosfera.** *Annali Geofis.*, 36, Suppl., n. 5-6, 161 - 171.
72. GASPARINI P., 1993. **Research on volcanic hazards in Europe.** *Science*, 260: 1759-1760 (Cit 2)
73. GASPARINI P., JOHNSON R.W., 1993. **An IAVCEI commentary on the tragedy of Galeras,** *EOS*, 74: 287. (Cit 2)
74. SCANDONE R., GIACOMELLI L., GASPARINI P., 1993. **Mount Vesuvius: 2000 years of volcanological observations.** *J. Volcanol. Geotherm. Res.*, 58: 5-25. (Cit 62)
75. BREITENBERG C., CAPUANO P., GASPARINI P., ZADRO M., 1994. **Interpretation of long period MT soundings in Friuli (NE Italy) and the electrical characteristics of the lithosphere.** *Geophys. J. Intern.*, 117: 196-204. (Cit 5)
76. SCANDONE R., GASPARINI P., 1994. **Geophysical precursors of renewal of activity of oversleeping volcanoes. In: Large explosive eruptions.** *Atti dei Convegni Lincei*, Roma, 112: 161-184
77. BERRINO G., GASPARINI P., 1995. **Ground deformation and caldera unrest.** *Cahiers du Centre Europ. Geodyn. Seismol.*, 8: 41-55
78. GASPARINI P., JOHNSON R.W., 1995. **History of IAVCEI.** *IUGG Chronicles*, 226: 68-72.
79. GASPARINI P., 1996. **Vulcanologia.** V Appendice *Enciclopedia Italiana*, 788-791.
80. GASPARINI P., 1996. **Vulcanologia.** *Enciclopedia delle Scienze Fisiche*, Vol. VI, 580 - 586.
81. GASPARINI P., PIERATTINI D., 1996. **Macedonio Melloni e l' Osservatorio Vesuviano.** *Le Scienze*, 333: 88-95.
82. De MARTINO S., SABBARESE C., GASPARINI P., 1996. **Radon migration in the soils of the Irno Valley (Southern Italy) inferred from radioactive disequilibrium.** *Annali Geofisica*, 38: 439-450
83. ZOLLO A., GASPARINI P., BIELLA G., DE FRANCO R., BUONOCORE B., MIRABILE L., DE NATALE G., MILANO G., PINGUE F., VILARDO G., BRUNO

- P.P., DE MATTEIS R., LE MEUR H., IANNACCONI G., DESCHAMPS A., VIRIEUX J., NARDI A., FREPOLI A., HUNSTAD I., GUERRA I., 1996. **2D seismic tomography of Somma - Vesuvius: Description of the experiment and preliminary results.** *Annali Geofisica*, 39: 471-486.(Cit.13)
84. SCARPA R., GASPARINI P. 1996. **A review of volcano geophysics and volcano monitoring methods.** In "Monitoring and mitigation of volcano hazards" Eds. R. Scarpa and R.I. Tilling, Springer, p.3-22. (Cit.13)
85. ZOLLO A., GASPARINI P., VIRIEUX J., LE MEUR H., DE NATALE G., BIELLA G., BOSCHI E., CAPUANO P., DE FRANCO R., DELL'AVERSANA P., DE MATTEIS R., GUERRA I., IANNACCONI G., MIRABILE L., VILARDO G., 1996. **Seismic evidence for a Low-velocity Zone in the Upper Crust beneath Mount Vesuvius.** *Science*, 274: 592-594 (Cit. 86)
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