



FLORAN VILA, Academician Emeritus, Prof.Dr

Albanian Academy of Sciences, Square Fan Noli, No. 7,
Tirana, Albania

[Physics Department, Faculty of Natural Sciences (FNS) Tirana
University (UT), Bul. ZOG 1, Tirana, Albania]
(E-mail: floran.vila@fshn.edu.al - floranvila@yahoo.com)

University and Postuniversity Education

University studies in Physics, (Tirana University, (UT)), (1960-1964); [Candidate of Sciences (1981) (High Commission of Attestation), then converted to Doctor (CMD)]; [Dozent (1986) (High Commission of Attestation)]; [Professor (1994) (Scientific Qualification Commission of Sciences and Technology Committe)]; [Academician (2008),

Akademician Emeritus (2019), (Albanian Academy of Sciences) (AAS)]. All education was performed with excellent results.

Docs and post-docs scientific research activity (1975-2021)

(Electricity): {["Static Electricity" (1975) (Leader of the Scientific Research Group); Dissertation thesis: ["Study about static electricity in the textile industry and its elimination by means of air ionization" (1980) (Dissertation thesis)]; ["Study on the elimination of static electricity in the textile industry by changing the electrical conductivity of fibers" (1982), (Dissertation leader)]} ((FNS), (UT)); "Charge and field distribution in different electrostatic systems" [Guest professor, Universite de Poitiers (Poitiers, France, 1995)]; "General theory of critical charge density" [International Centre for Theoretical Physics (ICTP), (Trieste, Itali, 1997,2000)].

(Gas-dynamics): ["Studies on the application of Gas-dynamics and Nuclear Physics for the evaluation of the immobilizing effects of Conventional and Nuclear Ammunitions" (1997), (Leader PH.D thesis), (FNS), UT).

(Polymers physics): "Surface modification of materials under the action of corona discharge" (Specialization) [Ecole Supérieure d'Electricité (SUPELEC) (Paris, Francë, 1986)]; "Study of electrical properties of polymers" [(ICTP), (Trieste, Itali, 1992,1994)]; "Study of electrical characteristics of electron-irradiated polyethylene" [DAAD Project, Technical University of Darmstadt (TUD), (Darmstadt Gjermani, 1998)]; "Study on the specific electrical conductivity of polymer materials" [DAAD Project, (TUD), (Darmstadt Gjermani, (2002)]; "Theoretical study on the specific electrical conductivity of polymers" [(ICTP), (Trieste, Italy, 2003)]; "Study on the influence of temperature and corona discharge on the electrical conductivity of different types of polymers" [DAAD Project, (TUD), (Darmstadt Gjermani, (2008-2009)]; "Study on the electrification of polymers" (2019) [Leader PhD thesis, (FNS, UT)].

Atmospheric physics: ["Study on the electrification of the atmosphere and its effects" (2007), "Study on aerosol measurement methodologies" (2011)] (FNS, UT); ["Study on the basic elements and their specific parameters affecting the electrification of the atmosphere" (2012),

"*Study on electrostatic characteristics as well as optical and microphysical properties of atmospheric aerosols*" (2021)] (Leader PhD thesis), (FNS, UT); "*Assessment of Parameters and Phenomena of Air Pollutants and Impacts on the Environment*" [Project, Scientific leader, Agency for Research, Technology and Innovation (ARTI), (2010-2012)].

Teaching physics: [*"Study on the theoretical-experimental treatment of Physics in high school"* (2021) (Leader PHD thesis), (FNS, UT).

Teaching Experience

Contribution to teaching activities has mainly been related to the basic disciplines of General Physics, for which Prof. Vila was head lecturer since **1968**. He has conducted lectures in all three cycles of university education in the subjects: Electromagnetism and Modern Physics (Bachelor), Basics of Optics and Problems of Modern Physics (Scientific Master), and Atmospheric Physics and Physics Additions (Doctorate studies). He made a significant contribution to reforming and updating several aspects of the teaching process, in line with the objectives of the Bologna Charter [Tempus Program: University of Poitiers, France (1996); University of Darmstadt, Germany (2004)], especially aiming to avoid traditionalism in the basic disciplines of general education. He also chaired the commissions for drafting teaching plans and programs for undergraduate and postgraduate courses.

Scientific publications

This long teaching and research-scientific career, with several specializations and engagements as research postdoc and later visiting professor in foreign universities, fruitful national and international cooperations, leadership of several scientific projects at home and abroad, as well as the guidance of doctorate and diploma thesis, are well reflected in the extended publication list, which includes basic university textbooks of general physical education, written undergraduate and postgraduate lectures, a large number of scientific articles published mainly abroad in European and American journals, many scientific papers held at national and especially international scientific conferences, scientific and technical reports as well as scientific papers presented in our country and abroad.

Professional background

{[Assistant, Physics Chair, (1964)]; [Pedagogue, (1970)]; [Leader of the Scientific Research Group "Static Electricity" (1975);] Vice Head (1975), Head (1994-2007), (General and Experimental Physics Chair)]; [Member of the Attestation Commission, (1976-1985)]; [Member of the Scientific Council (1975-1986, 1990-1994, 1998-2002)]; [Scientific Secretary of the Special Commission for the defense of Physics dissertations, (1988-1992)]; [Member of the Editorial Board of the Bulletin of Natural Sciences, (1994-2004)]} (FSHN, UT); [Member of the Council of the National Atomic Authority, (2004-2007); Member of the Journal of Natural and Technical Sciences (JNTS) (2014-at present)] (AAS).

Orders and Awards

Order Naim Frashëri, (1979) (Presidium of the People's Assembly, Tirana, Albania)]; [Honor Award (2015), [Balkan Physical Union (BPU 9), Istanbul, Turkey].