

First Name: **Ștefan**

Last Name: **ANTOHE**

Current position: Emeritus Professor, University of Bucharest, Faculty of Physics; Director of R&D Center for Materials and Electronic and Optoelectrnic Devices, Faculty of Physics; Full Member of Academy of Romanian Scientist

Education: 1968-1972 – High School ,,Stefan cel Mare"Rm-Sarat, Jud Buzau

1972-1977 – Graduated in Physics at University of Bucharest, Faculty of Physics,

1994 PhD in Physics at University of Bucharest, by Order Nr. 7980/29.11.1994 of Romanian Ministry of Research and Education

Since 2001-present - Ph. D Advisory in Physics (Physics of Condensed Matter) at University of Bucharest, by Order Nr. 4817/23.10.2001 of Romanian Ministry of Research and Education

Career path: 1977-1981: high school physics teacher;

1981-present: University of Bucharest, Faculty of Physics, First position: Assistant Professor (1981); Lecturer Professor (1991); Associate Professor (1996); Full Professor (1999-2018); Emeritus Professor from 2018-

Relevant fields of research: Research in the fields of: Physics and Technology of Organic and Inorganic Semiconducting Thin Films and Electronic and Optoelectronic Devices;

A) **Organic:** a) Preparation and charaterization of organic (small molecules and polymers) thin fims; b) Organic Photovoltaic Cells ((single-, double-, and multy- layer); c) Bulk-Heterojunction Solar Cells, d) Dye Sensitized Solar Cells _DSSC); e) Organic Field-Effect Transistors; f) Organic-on-inorganic semiconductor diodes;

B) **Inorganic:** a) Preparation and charaterization of semiconductors thin films from A_2-B_6 compounds; b) Effect of ionizing radiations on the physical properties of the A_2-B_6 semiconducting thin films c) Preparation and characterization of 2nd Generation solar cells based on CdS, ZnS, ZnSe, CdTe and ZnTe thin films; d) Effect of ionizing radiations on the performances of CdTe based solar cells for space applications; e) n-type and p-type transparent conducting oxides and novel materials applied in thin-film photovoltaics f) Physics and Technology of Nanostructures;.

Scientometric factors: **309** published scientific papers: **225 papers published in ISI journals (186 papers published in ISI journals with Impact Factor**, **39** papers published in journals **indexed ISI**), **84 papers** published in **BDI indexed journals** and non-ISI journals;, ***-More than 2550 Citations in ISI journals, h_{Index} = 26 WoS; More than 3350 citations and h_{Index} = 30 Google Scholar; Scientometric indexes CNATDCU(*I*=14.46, P=24.49 ,*C*=430.40) Total Score:*** **T=A+P/2+I/2+C/20+h/5 = 102.609**,. ***Minimal CNATDCU Standard for Professor beind (I=4; P=4; C=40; h_{Index} = 10; T=12),*** respectively; **6** chapters in international monographs acquired by **362**

international libraries (www.worldcat.org); **2** patents; **72** international invited lectures and seminars, **300** international and national papers as oral presentations or posters and more than 50 competitive research projects from which **4 international**. **25 Books or Chapters of Books** in national and international book editures Web site: www.mdeo.eu and http://fizica.unibuc.ro/antohe

ID ORCID : orcid.org/0000-0001-5082-0996

UEFISCDI ID (UEF-ID):

U-1700-027B-5076

Member of some scientific societies and pozitions in academic management - National Society of Physics; National Society of Solar Energy; Romanian Material Science - Crystal Growth

- 2000-2008 Editor-in- Chief at Annals of University of Bucharest, Physics

-2005- Member of Advisory Board of Journal of Optoelectronics and Advanced Materials

-2008- Member of Advisory Board of Romanian Reports in Physics

-2008-2019 Member of Advisory Board of Proceedings of Romanian Academy, A Series

- 2005-2008 Member in Comission 1 of National Council of Scientific Research in Higher Education (CNCSIS) (Comission of mathematics and natural Sciences)

1995- Referee for many prestigious journals, including: Journal of Appl. Phys.; Appl. Phys. Lett.; Int. J. of IONICS, Thin Solid Films, Solar Energy, Materials and Designs, Applied Surface Science, Solar Energy Materials and Solar Cells, Journal of Optoelectronics and Advanced Materials, Optoelectronics and Advanced Materials –Rapid Communications., Romanian Journal of Physics, Journal of Materials Science and Engineering, Romanian Reports in Physics …

2005- 2012 **Director of Physics Doctoral School of University of Bucharest**

2006- **Director of Research and Development Center for Materials and Electronic and Optoelectronic Devices of University of Bucharest charged by Rector's Decizion** Nr. 1076/14.06.2006

1992-1996 **Member of the Council of Professors of the Faculty of Physics, University of Bucharest.**

- 1996-2000 **Scientific Secretary of the Council of Professors of the Faculty of Physics, University of Bucharest.**

- 19. 01. 2000- 2. 03. 2000, **Head of the Department of Electricity and Biophysics**

- 29.02.2000 – 29.02.2008: **Dean of Faculty of Physics, University of Bucharest**

- 29.02.2008 – 28.02.2012 **Vice-Dean of Faculty of Physics, University of Bucharest**

-01.03.2012 – 01.10.2018: **Dean of Faculty of Physics, University of Bucharest**

- 29.02.2000 – 01.10.2018: **Member of the Senate of University of Bucharest**

-2006-2011-**President of Physics Commission of National Council for Awarded of Title, Diploma and Academic Certificates (C.N.A.T.D.C.U.) Decision:** O.M.Ed.C. Nr. 3904/10.05.2006

-2016- **Member of Physics Commission of National Council for Awarded of Title, Diploma and Academic Certificates (C.N.A.T.D.C.U.) Decision: O.M.Ed.C. Nr. 4106/10.06.2016**

-2006- **Member of** European Materials Research Society,

- **Prizes and Awards:**In 2008 The **Prize „Horia Hulubei" of Romanian Academy** for the review paper: ,,Electronic and Optoelectronic Devices Based on Organic Thin Films '' **in HANDBOOK OF ORGANIC ELECTRONICS AND PHOTONICS, Electronic Materials and Devices,** Edited by Hari Singh Nalwa, **Volume 1** : Pages (405-446)**, AMERICAN SCIENTIFIC PUBLISHERS, Los Angeles, California, USA, 2006, ISBN : 1-58883-096-9**

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