

CURRICULUM VITAE
(short variant)
HALIL SYKJA

(2021)

PERSONAL DATA:

Born, December 3d, 1945

Place of birth: Shkoder, ALBANIA

Nationality: ALBANIAN

ADDRESS: METROPOLITAN UNIVERSITY of TIRANA
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TIRANA, ALB.
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HOME ADDRESS:

Rr. P.Rexhepi, P.14, ,6, D9, Tirana, Albania

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LANGUAGES:

Mother tongue: Albanian

English, French, Italian, Russian

SCIENTIFIC DEGREE:

Doctor of Sciences in Physics (1982)

SCIENTIFIC TITLE:

Professor of Physics-since 1994

PRESENT POSITION:

Lecturer at Metropolitan University of Tirana-Albania and at University of Korça “Fan Noli” on subjects 1) Physics 1,2 (in english) to the students of Software Engineering in Metropolitan University of Tirana; 2) Electrodynamics to the students of Korca University “Fan Noli”

EDUCATION, PROFESSIONAL and TRAINING:

- 1969- Diploma on Physics (physicist) 5 year study (1964-1959)
- 1970- Assistant at the Department of Physics of Nat.Sc. of Tirana University
- 1972- Trainning at University Pierre& Marie Curie 6 for 6 months as a UNESCO scholar on general experimental physics for physical bachelor curriculum.
- 1976- Lecturer of Theoretical Physics (Electrodynamics) to Master students in Physics
- 1994-2008- Head of the Department of Physics of Fac.Nat.Sc. of Tirana Univ.
- 1982- Candidate of Sciences in Physics
- 1986- Dozent of Physics
- 1986-1990-Member of the Board at the Inst. of Ped. Studies for modernisation of physics syllabii and programmes in High Schools in Albania
- 1994- Professor of Physics
- 1991-1992- Vice-Rector of Tirana University
- 1992-1993- Rector of Tirana University
- 1991-1993 Member of the Group of academics for preparation of the Draft of Higher Education Law in Albania
- 1991-1993 Member of National Committee for Science and Technology of Albania
- 1994-1995- Fullbright Scholar at UCSD (UNIV.CAL.SAN DIEGO, USA), 6 months
- 1995-1997- Head of the Higher Education Support Programme Task force of SOROS fondation for Albania

1998-2008 Member of the Board of Albanian Encyclopedic Dictionary at Academy of Sc. Of Albania

1999- Head of the Group for Physics curriculum in High Schools of Albania. Preparation of syllabii of Physics 1,2,3,4 for High Schools of Albania

1999- Lecturer in the School of Environment for Environmental Acoustics at Fac.Nat,Sc. of Tirana Univ.

2000- Chartered Physicist of the Institute of Physics of Great Britain

2000 - Member of Alumni Assoc. of *Fullbright* scholars

2002- Visiting professor in CERN(SWITZERLAND)

2002- Visiting professor in Univ. of Siegen –Germany

2004- Talk delivered at the International Regional Seminar on preserving knoledge on Nuclear Science organized by IAEA, Sofia, Bulgaria

2005- Head of the Board of High School Physics Textbooks in Albania

2005- Speech delivered at the Reg.Seminar on the Implementation of Bologna process and creating the Regional Zone of High. Ed. In Balcan Countries, Beograd

1994-2007- Participating annually in the conferences organized by Vicariato di Roma , Vatican, Roma

2007- Coordinator and preparing the project of World Bank on “Quality and Equality in Education” (for physics).

2008- Coordinator and preparation of the project “Survey of EM radiation in a large band of frequences” in the framework of bilateral cooperation with Italy.

2012- Participating in the Workshop organized by EU on scientific cooperation in European countries, Brussels

2010-2012- Member of Scientific Commetee of International Conference **“Journee Hubert Curien”** on Scientific Communication in collaboration with UNESCO–Nancy, France

2014-2020 Member of Central Commission for radiation protection at the Ministery of Health of Albania

PRINCIPAL PUBLICATIONS:

BOOKS:

1980- INTRODUCTION TO THE SPECIAL THEORY OF RELATIVITY-SHBLSH-TIRANA

1980- PROBLEMS AND EXERCISES IN ELECTRODYNAMICS-SHBLU-TIRANA

1984- PHYSICS LABORATORY -Shblu-Tirana

1985- VACUUM ELECTRODYNAMICS -Shblu-Tirana

1986- ELECTRODYNAMICS OF CONTINUOUS MEDIA- Shblu-Tirana

1990- (TOGETHER WITH Dr.K.ISLAMI) GROUP REPRESENTATIONS AND IT'S APPLICATIONS IN PHYSICS-ShBLU- TIRANA

1995- INTRODUCTION TO GENERAL THEORY OF RELATIVITY-SHBLU-TIRANA

1998- ELECTRODYNAMICS- 2 VOL. 580 pp SHBLU TIRANA ALBANIA

1999- PHYSICS-1 (FOR HIGH SCHOOLS) SHTEPIA BOTUESE E LIBRIT SHKOLLOR- TIRANA

2000- PHYSICS2 FOR HIGH SCHOOLS-SHBLSH

2001- PHYSICS 3 “

2002- PHYSICS 4 “

2003- SOLVED PROBLEMS OF ELECTRODYNAMICS-SHBLU-TIRANA

2004- TECHNICAL REPORT ON ENVIRONEMENT IMPACT OF CELL PHONE OPERATORS IN ALBANIA (GROUP OF AUTHORS) SUBMETTED TO HEALTH MIN. ALB

- 2006- FUNDAMENTALS OF ELECTRODYNAMICS-SHBLU,Tirana 2006
- 2007- PHYSICS 10 –TEXTBOOK FOR HIGH SCHOOL STUDENTS , MEDIAPRINT
- 2009- PHYSICS 12- TEXTBOOK FOR HIGH SCHOOL STUDENTS , MEDIAPRINT
- 2011- LECTURE NOTES ON CLASSICAL FIELD THEORY (FOR DOCTORANTS IN PHYSICS)
- 2012- LECTURE NOTES ON ELECTRODYNAMICS OF CONTINUOUS MEDIA (FOR DOCTORANTS IN PHYSICS)CIKEL LEKSIONESH NE ELEKTRODINAMIKEN E
- 2015- BAZAT E TEORISË SË RELATIVITETIT (MILENIUM I RI); TIRANE
- 2016- LECTURE NOTES ON FOURIE ANALYSIS (FOR BACHELORS IN PHYSICS)
- 2020- LECTURE NOTES ON THE THEORY OF ELECTROMAGNETIC FIELDS AND WAVES (FOR STUDENTS OF ELECTR.ENG.)

PAPERS:

- 1978- REMARKS ABOUT THE EARNSHAW THEOREM-BSHN-TIRANA
- 1983- THE GENERALISED LORENTZ GROUP AND its APPLICATION IN CLASSICAL ELECTRODYNAMICS-BSHN-TIRANA
- 1991- ABOUT THE CONSTRAINTS IN NONLINEAR ELECTRODYNAMICS- PROCEEDINGS of the 2d CONF.of ALBANIAN PHYSICISTS-TIRANA
- 1996- EQUIVALENCE PRINCIPLE USED TO SOLVE THE METRICS IN THE CENTROSYMMETRIC GRAVITATIONAL FIELD-BSHN –TIRANA
- 1999- ABOUT THE LOCAL MEASUREMENTS IN THE THEORY OF RELATIVITY- At the 3d Conference of Albanian Physicist-December 11th 1999-Tirana
- 2003- Essential Relativity for High Schools-“Curricula and School”-Tirana
- 2003 - About the wave-particle dualism in physics textbooks for High Schools--“Curricula and School”-Tirana
- 2005- The influence of electronic irradiation on volume resistivity of polyethylene and kapton- Journal of electrostatics-Vol 63, pp749-755-2005
- 2005- M.Hafizi, **H.Sykja**: Can Quintessential Energy creates compact objects? Bulletin of Academy of Sciences
- 2005- “Il ruolo delle universita’ albanesi all’integrazione del paese nella Communita’ Europea”- Rivista Dialogo Oggi-Tirana
- 2005- The influence of electronic irradiation on volume resistivity of polyethilene and kapton, Journal of Electrostatics, Vol 63
- 2005- (together with M.Hafizi)Can quintessential energy create compact objects?, Bulleten of Academy of Sciences, Tirana
- 2005- Il ruolo delle universita’ albanesi all’integrazione del paese nella Communita’ Europea”- Rivista Dialoghi Oggi-Tirana
- 2007- “Problemi di insegnamento di fisica nelle scuole di Albania”-Rivista Dialogo Oggi, Tirana. Referat ne KE per komunikin shkencor (Bruksel)
- 2012- A survey on Science Communication in Albania-artikull i botuar ne proceedings te JHC, konferenca nderkombetare mbi komunikimin shkencor organizuar nga Universiteti i Lorrenes-France
- 2015- Kumtesë në Akademinë e Shkencave me rastin e 100vjetorit të Teorisë së Përgjithëshme të Relativitetit
- 2015- BurimKamishi, Rasim *Bejtullahu*, **Halil Sykja**, Application of Incomplete Cylindrical Functions in the Diffraction of a Gaussian Beam by a System of Equiareal Circular Sectors. Special Issue of the 2 nd International Conference on Computational and Experimental Physics
- 2016- BurimKamishi, Rasim *Bejtullahu*, **Halil Sykja** Diffraction of Gaussian Beam by a Circular Sector Using Incomplete Cylindrical Functions. Global Virtual Conference GV Online Arch. 2016pp:204 - 206.

2016- Burim Kamishi, Rasim Bejtullahu, **Halil Sykja**, Application of a particular class of integrals in the theory of diffraction, AIP Conference Proceedings 1722, 100003(2016)

Science and Engineering (ICCESEN-2015) Antalya, Turkey, October 14-19, 2015

2016- Burim Kamishi, Rasim Bejtullahu and **Halil Sykja**. Dimensionality in the Problem of Diffraction by a Straight Edge ICCESEN-2016, poster

OTHER PAPERS, ARTICLES and CONFERENCES:

1981- CONCEPTS IN THE THEORY OF RELATIVITY-UNIV.OF PRISHTINA, JUG.

1990- THE GENERAL STRUCTURE OF THE LORENTZ GROUP-ANKARA-TURKEY

1990- PERSPECTIVES OF THE COOPER.BETWEEN MEDITERRAN.COUNTR.IN SC. &TECHN. -TRIESTE

1992- THE INTERNATIONAL CONF.FOR RELIG.FREEDOM-TIRANA (introductory and Concluding speech)

1992- ALBANIAN UNIVERSITIES IN THE PERIOD OF TRANSITION-IST.DI STUDI POLITICI. S.PIO5 -ROMA

1993- ALBANIA-PROBLEMI E PERSPETTIVE-RIVISTA DI STUDI POLITICI-ROMA

1993- TRADITIONS AND LINKS BETWEEN ADRIATIC COUNTRIES-EUROPA Coine, VENICE, ITALY

1994- REFLECTIONS-ABOUT THE HUMAN RIGHTS AND FREEDOM IN ALBANIA-RIVISTA DELLA POLITICA INTERNAZIONALE-IPALMO -ROMA

1999- ABOUT THE CURRICULA OF PHYSICS AT THE DEPARTMENT OF PHYSICS OF THE UNIVERSITY OF TIRANA AND TRENDS OF THEIR CHANGE- 3d Conference of Albanian Physicist -December 10th 1999- Tirana.

2002- About Physics programmes for High Schools in Albania-Les Houches, France

2002- Problemet universitar ne vendin tone (KOHA JONE)

2005- Paper presented at Belgrade Seminar on Bologna Convention in Balkan Countries (April 2005)

2005-Talk delivered at the Int.Conf. “Ora ET Labora”, Lateran University-Roma

2006- Talk delivered at the Regional Conf. for Bologna Process-Kosovo