

## **CURRICULUM VITAE**

### **Dr. Potolias Constantinos**

Lecturer Eastern Macedonia and Thrace Institute of Technology

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### **AREAS OF INTEREST**

Energy generation, conversion, management. Renewable energy, multicriteria analysis for energy planning, power plants evaluation. Sustainable development.

### **EDUCATION**

**PhD Department of Economic Democritus University of Thrace (Greece)**

**M.Sc. in Electrical Engineering Democritus University of Thrace (Greece)**

**Dipl. in Electrical Engineering University of Bologna (Italy)**

### **HISTORY OF EMPLOYMENT-PROFESSIONAL**

#### **1981: Senior Electrical Engineer**

Participated in various projects in the planning, scheduling and production of chemical fertilizers

#### **1983-2007: Senior Technology Manager**

Organized, designed and managed the implementation of projects for the operation, production storage and movement within Greece of agricultural products

### **HISTORY OF EMPLOYMENT-ACADEMIC**

#### **1982-1992: Adjunct Professor- TEI Kavalas, Kavala GREECE.**

Organized, developed and taught courses in Strength of Materials and Operations of Electrical Engines.

#### **2001-2008: Adjunct Professor- TEI Kavalas, Kavala GREECE.**

Organized, developed and taught courses in Energy Production Technology and Applications of Electrical Technology.

#### **2008-2010: Adjunct Professor- TEI Kavalas, Kavala GREECE.**

Organized, developed and taught courses in Renewable Energy Sources Technology.

**2010- :Lecturer EMT Institute of Technology Kavala GREECE.**

## **PUBLICATIONS ON SCIENTIFIC PAPERS/MAGAZINES**

1. **G.C. Bakos, E. Tsoliaridou, C. Potolias**, (2008) “Technoeconomic assessment and strategic analysis of heat and power co-generation (CHP) from biomass in Greece”, *BIOMASS AND BIOENERGY* 32, 558 – 567
2. **J. G. Fantidis, C. Potolias, D. V. Bandekas and N. Vordos**; Non destructive testing of medium and high voltage cables with a transportable radiography system. *Journal of Engineering Science and Technology Review* 3 (1) (2010) 89-94
3. **C. Potolias, E. Stathakis, D.V. Bandekas and N. Vordos**. An evaluation of the factors influence the electric power production from biomass in the certain area of Kavala, Greece. *ARNP Journal of Engineering and Applied Sciences*, 2010, Vol. 5 No. 10
4. **K. Karakoulidis, K. Mavridis, D.V. Bandekas, P. Adoniadis, C. Potolias, N. Vordos**. Techno-economic analysis of a stand-alone hybrid photovoltaic-dieselebattery-fuel cell power system. *Renewable Energy* 36 (2011) 2238-2244
5. **J.G. Fantidis, C. Potolias, N. Vordos, D.V. Bandekas**  
Optimization study of a transportable neutron radiography system based on a 252Cf neutron source. *Moldavian Journal of the Physical Sciences*. 2011
6. **A. K. Boglou, D. V. Bandekas, D. I. Pappas and C. Potolias**  
Optimal Excitation Controller Design for Wind Turbine Generator Using  $H_{\infty}$  Control Technique. *Journal of Engineering Science and Technology Review* 4 (1) (2011) 43-49
7. **J. G. Fantidis, C. Potolias, and D. V. Bandekas**  
Wind Turbine Blade Nondestructive Testing with a Transportable Radiography System. *Science and Technology of Nuclear Installations* Volume 2011, Article ID 347320
8. **J. G. Fantidis • G. E. Nicolaou • C. Potolias •N. Vordos • D. V. Bandekas**  
The comparison of four neutron sources for Prompt Gamma Neutron Activation Analysis (PGNAA) in vivo detections of boron. (2011) *J Radioanal Nucl Chem* DOI 10.1007/s10967-011-1315-4
9. **Jacob G. Fantidis, D. V. Bandekas, C. Potolias, N. Vordos**. The effect of the financial crisis on electricity cost for remote consumers: case study Samothrace (Greece). *International Journal of Renewable Energy Research-IJRER*. (2011)Vol.1, no 4.
10. **J. C. Mourmouris, C. Potolias, J. G. Fantidis**. Evaluation of Renewable Energy Sources Exploitation at remote regions, using Computing Model and Multi-Criteria Analysis: A Case-Study in Samothrace, Greece. *INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH*. 2012. Vol.2, No.2
11. **J. G. Fantidis, D. V. Bandekas, C. Potolias, N. Vordos**. Financial and economic crisis and its consequences to the diesel-oil and biomass heating market-Case study of Greece. *J. Electrical Systems* 8-2 (2012): 249-261

12. **J. G. Fantidis, C. Potolias, D. V. Bandekas, N. Vordos, K. Karakoulidis.** Financial crisis and the new data on the wood pellet heating: case study of Greece. *Research Journal of Applied Sciences* 7(3): 138-145, 2012
13. **Jacob G. Fantidis, Dimitrios V. Bandekas, Constantinos Potolias, Nick Vordos, Kostas Karakoulidis.** Financial Analysis of Solar Water Heating Systems during the Depression: Case Study of Greece. *Engineering Economics*, 2012, 23(1), 33-40
14. **J. C. Mourmouris, C. Potolias.** A Multi-criteria Methodology for Energy Planning and Developing Renewable Energy Sources at a Regional Level: A Case -Study in Thassos, Greece. *Energy Policy* 52 (2013) 522–530
15. **J. G. Fantidis, D. V. Bandekas, C. Potolias, N. Vordos.** Cost of PV Electricity – Case study of Greece. *ELSEVIER, Solar Energy*, 2013, 91,120-130
16. **J. G. Fantidis, K. Karakoulidis, G. Lazidis, C. Potolias and D. V. Bandekas.** THE STUDY OF THE THERMAL PROFILE OF A THREE-PHASE MOTOR UNDER DIFFERENT CONDITIONS. *ARPJ Journal of Engineering and Applied Sciences*. (2013)VOL. 8, NO. 11
17. **Constantinos Potolias, John C. Mourmouris, Jacob G. Fantidis, Dimitrios V. Bandekas, Aggelos Kourtidis.** Financial Crisis in Greece, Economical Evaluation of Replacement of Heating Diesel Oil with a Heat Pump System. *Inzinerine Ekonomika-Engineering Economics*, 2014, 25(2), 141–151

#### **CITATION INDEX**

49 citations to the journals

#### **MEMBER**

1. Technical Chamber of Greece