

PERSONAL INFORMATION

Dr Angeliki Brouzgou
(Chemical engineer)

(<https://scholar.google.gr/citations?user=Yzcx85wAAAAJ&hl=el>)- **h-index=12**

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Date of birth: 18th August 1984

Academic Experience

2017-today: contract Professor (*Professore a contratto*), Department of Mechanical Engineering, University of Thessaly, **Elective Course: Biotechnology and biomechanics** (5th year).

2013-2018: Teaching assistance: i) Chemistry for engineers (1st year) and ii) Advanced systems for energy conversion (4th year).

Post-doc Research Experience

April 2017-April 2019

State Scholarship foundation, Research on: '*Design and preparation of hybrid nanomaterials for amperometric glucose biosensors*'. **Place:** Laboratory of Alternative Energy conversion Systems - Department of Mechanical Engineering, University of Thessaly, Volos, Greece.

October 2016-
January 2017

France-Greece. '*Recherches de nouveaux matériaux d'électrodes pour l'électrolyse de CO₂ et H₂O à haute température*'. **Place:** École nationale supérieure de chimie de Paris, Université de Paris, Paris, France (Scientific coordinator: Prof. Michel Cassir).

21st November 2013-
September 2015

Research leader to the European co-funded with Greek government program, 2013-2015: Bilateral Cooperation Greece-China: '*Development of low-cost PEM Fuel Cells based on novel low and non-Pt electrocatalyst*.' **Place:** Laboratory of Alternative Energy conversion Systems/Department of Mechanical Engineering -University of Thessaly, Volos, Greece.

Education and Training

February 11th 2009-
November 20th 2013

PhD "Design and development of direct glucose alkaline fuel cells"-Laboratory of Alternative Energy Conversion Systems, Department of Mechanical Engineering, University of Thessaly, Volos, Greece (10/10).

October 1st 2008-
April 16th 2010

Master (Specialization Diploma)-'Direct ethanol fuel cells: Preparation and characterization of low and non-Pt cathode electrocatalysts'. Department of Mechanical Engineering, University of Thessaly, Volos, Greece. **Specialization on Energy, Industrial Processes & Pollution Abatement Technology.**

September 1st 2002-
November 10th 2007

University degree on Chemical Engineering-School of Chemical Engineering, **National Technical University of Athens (NTUA)**, Greece.

Publications

Chapters in books

Book title: *Advances in Medium and High Temperature Solid Oxide Fuel Cell Technology*, Springer (2017) Editors: Boaro Marta, Antonino Salvatore Arico (<http://www.springer.com/us/book/9783319461458>).

Chapter 3: *Proton conducting electrolytes for solid oxide fuel cell applications*, D. Medvedev, **A. Brouzgou**, A. Demin, P. Tsiakaras.

Chapter 4: *Interconnects for Solid Oxide Fuel Cells*, **A. Brouzgou**, A. Demin, P. Tsiakaras.

- composites with high surface area for methanol electrooxidation, Ch. He, Y. Liang, R. Fu, D. Wu, **A. Brouzgou**, P. Tsiakaras, Sh. Song, *J. Power Sources* 200 (2012) 8-13.
20. Two-step sequence for synthesis of efficient PtSn@Rh/C catalyst for oxidizing ethanol and intermediate products, S. Song, Ch. He, J. Liu, Y. Wang, **A. Brouzgou**, P. Tsiakaras, *Appl. Catal. B: Environ.* 119-120 (2012) 227-233.
 21. Low and non-platinum electrocatalysts for PEMFCs: Current status, challenges and prospects, **A. Brouzgou**, S. Song, P. Tsiakaras, *Appl. Catal. B: Environ.* 127 (2012) 371-388.
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Conferences

1. Hydrogen production via catalytic aqua reforming crude glycerol, A. Seretis, A. Vouzavalis, S. Georgadas, **A. Brouzgou**, S. Kontou and P. Tsiakaras, 11th National Conference on the alternative energy sources, March 14-16 2018, Thessaloniki, Greece.
2. Catalytic reforming and hydrogenolysis of glycerol in liquid phase and in a non-continuous flow reactor, A. Seretis, N. Malamas, S. Katsaros, **A. Brouzgou** and P. Tsiakaras, 11th National Conference on the alternative energy sources, March 14-16 2018, Thessaloniki, Greece.
3. H₂-PEMFCs performance on carbon supported ultra-low Pt (Pd_xPt_y) electrocatalysts, **A. Brouzgou**, Y. Wang, S. Song, S. Cavallaro, S. Freni and P. Tsiakaras, 7th European Fuel Cell Piero Lunghi Conference, December 12-15 2017, Naples, Italy.
4. Enhancement of the performance of oxygen reduction reaction: the characteristic role of Fe-N coordinators, Y. Wang, Y. Hua, M. Yi, K. Wang, S. Song, **A. Brouzgou**, P. Tsiakaras, 7th European Fuel Cell Piero Lunghi Conference, December 12-15 2017, Naples, Italy.
5. Hydrogen Polymer Electrolyte Fuel Cell performance on Low Platinum PdPt Anode, **A. Brouzgou**, F. Tzorbatzoglou, P. Tsiakaras, 5th European PEFC & H₂ Forum 2015, June 30-July 3 2015, Lucerne, Switzerland.
6. Solid Oxide Fuel Cells for Sustainable Development: The Study of Highly Conductive and Stable Solid Oxide Proton Electrolytes, D. Medvedev, **A. Brouzgou**, E. Gorbova, A. Demin, P. Tsiakaras, 3rd International Congress on Energy Efficiency and Energy Related Materials, October 19-23 2015, Oludeniz, Turkey.
7. Elaboration of planar and tube SOFC-H₂ by tape rolling method, E. Pikalova, D. Medvedev, **A. Brouzgou**, A. Demin, P. Tsiakaras, International Workshop on Protonic Ceramic Fuel Cells status & Prospects, July 8-15 2015, Bordeaux, France.
8. Hydrogen electro-oxidation reaction over Pd_xRh_y/XC-72, F. Tzorbatzoglou, **A. Brouzgou**, A. Castellano, E. Karampogia, P. Tsiakaras, 2nd Euro-Mediterranean Hydrogen Technologies Conference, December 9-12, 2014, Taormina, Italy.
9. Hydrogen electrooxidation on PdM(=Rh, Sn, Ru) electrocatalysts for PEM fuel cells, F. Tzorbatzoglou, **A. Brouzgou**, P. Tsiakaras, 6th Forum on New Materials, June 15-19, 2014, Montecatini, Italy.
10. Glucose electrooxidation in Alkaline media for Fuel cell Applications: A comparative study of PdM/C (M=Au, Sn, Rh) based electrocatalysts, **A. Brouzgou**, F. Tzorbatzoglou, P. Tsiakaras, 6th Forum on New Materials, June 15-19, 2014, Montecatini, Italy.
11. Performance modeling of an alkaline anion exchange membrane-based direct glucose fuel cell, A. Podias, **A. Brouzgou**, P. Tsiakaras, Fifth European Fuel Cell Technology & Applications Conference – Piero Lunghi Conference, December 11-13, 2013, Rome, Italy.
12. Pd_xRu_y/C binary catalysts for glucose electrooxidation, **A. Brouzgou**, S. Song, P. Tsiakaras, Fifth European Fuel Cell Technology & Applications Conference – Piero Lunghi Conference, December 11-13, 2013, Rome, Italy.
13. Temperature Regulation of a Solid Oxide Fuel Cell Stack: Correlation between theory and experimental results, A. Demin, M. Gorshkov, A. Chuikin, **A. Brouzgou**, P. Tsiakaras, Fuel Cell 2012 Science & Technology, April 11-12, 2012, Berlin, Germany.

HELENIC REPUBLIC
MINISTRY OF INTERIOR
HELLENIC POLICE HEADQUARTERS

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΕΣΩΤΕΡΙΚΩΝ
ΑΡΧΗΓΕΙΟ ΕΛΛΗΝΙΚΗΣ ΠΟΛΙΤΕΙΑΣ

ΑΔΕΛΤΙΟ
ΤΑΥΤΟΤΗΤΑΣ
IDENTITY CARD
ΑΡΙΘΜΟΣ
Α Ν 867145

ΕΚΔΟΘΗΚΕ
ΕΠΙΧΕΙΡΗΣΙΑΚΑ ΑΡΙΘΜΟΣ - 05/06/2018

ΕΛΛΗΝΙΚΗ Ιθαγένεια
HELLENIC NATIONALITY

ΟΜΑΔΑ ΑΙΜΑΤΟΣ (BLOOD TYPE)

ΥΠΟΓΡΑΦΗ ΚΑΤΟΧΟΥ

Γεωργιος Αθ. Βιτζεζ
Αστυνομικός Υποδιευθυντής

ΣΤΟΙΧΕΙΑ ΤΑΥΤΟΤΗΤΑΣ

ΜΠΡΟΥΖΙΟΥ
ΕΠΙΧΕΙΡΗΣΙΑΚΟΣ ΑΡΙΘΜΟΣ

ΒΡΟΥΖΙΟΥ
ΕΠΙΧΕΙΡΗΣΙΑΚΟΣ ΑΡΙΘΜΟΣ

ΜΠΡΟΥΖΙΟΥ
ΕΠΙΧΕΙΡΗΣΙΑΚΟΣ ΑΡΙΘΜΟΣ

ΑΝΓΕΛΙΚΗ
ΟΝΟΜΑ ΠΑΤΕΡΑ

ΔΗΜΗΤΡΙΟΣ
ΟΝΟΜΑ ΠΑΤΕΡΑ

ΔΗΜΗΤΡΙΟΣ
ΠΑΤΕΡ'S NAME

ΜΠΡΟΥΖΙΟΥ
ΕΠΙΧΕΙΡΗΣΙΑΚΟΣ ΑΡΙΘΜΟΣ

ΕΛΕΝΗ
ΟΝΟΜΑ ΜΗΤΕΡΑ

ΜΠΡΟΥΖΙΟΥ
ΕΠΙΧΕΙΡΗΣΙΑΚΟΣ ΑΡΙΘΜΟΣ

18/08/1984
ΗΜΕΡΟΜΗΝΙΑ ΓΕΝΝΗΣΗΣ (DATE OF BIRTH)

ΒΟΛΟΣ ΒΟΛΟΥ ΜΑΓΝΗΣΙΑΣ
ΤΟΠΟΣ ΓΕΝΝΗΣΗΣ

1,68
ΥΨΟΣ (HEIGHT)

ΒΟΛΟΥ ΜΑΓΝΗΣΙΑΣ 10535/1
ΑΝΘΡΩΠΗ

Υ.Α. ΒΟΛΟΥ ΜΑΓΝΗΣΙΑΣ
ΑΡΧΗ ΕΚΔΟΣΗΣ ΑΔΕΛΤΙΟΥ ΤΑΥΤΟΤΗΤΑΣ

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