

# Κωνσταντίνος (Κώστας) Γαλιώτης

Τόπος γεννήσεως

Πειραιάς

Υπηκοότητα

Ελληνική

Οικογενειακή κατάσταση

Έγγαμος. Δύο τέκνα.

Πανεπιστήμιο Πατρών

Ίδρυμα Τεχνολογίας και Έρευνας (ΙΤΕ)

Τμήμα Χημικών Μηχανικών

Ινστιτούτο Επιστημών Χημικής Μηχανικής (ΙΕΧΜΗ),

Πανεπιστημίουπολη Ρίο

Οδός Σταδίου, Πλατάκι

265 04 Πάτρα

265 04, Πάτρα

Τηλ.: (+30 2610) 969590

Τηλ.: (+30 2610) 965255

(+30 2610) 962753

(+30 2610) 965236

e-mail: [galiotis@chemeng.upatras.gr](mailto:galiotis@chemeng.upatras.gr)

e-mail: [c.galiotis@iceht.forth.gr](mailto:c.galiotis@iceht.forth.gr)

<http://nanotech.chemeng.upatras.gr>

<http://cnm.iceht.forth.gr>

## Περίληψη δραστηριοτήτων

### 1. Εμπειρία Εξωτερικού

- **Αναπληρωτής Καθηγητής (Reader)** Queen Mary, Παν. του Λονδίνου (1993-1997)
- **Λέκτορας Faculty of Engineering (Materials)** Queen Mary, Παν. του Λονδίνου (1985-93)
- **Βοηθός Ερευνητής** Queen Mary, Παν. του Λονδίνου (1982-85)
- **Διδακτορικό** Queen Mary, Παν. του Λονδίνου (1977-81)

### 2. Διοικητική Εμπειρία

- **Μέλος** του Επιστημονικού Συμβουλίου (ΕΣ) του Ελληνικού Ιδρύματος Έρευνας και Καινοτομίας (ΕΛΙΔΕΚ) (2017- σήμερα).
- **Διευθυντής** ΙΤΕ/ΙΕΧΜΗ και μέλος του ΔΣ του ΙΤΕ (2007-13).
- **Μέλος** Διοικητικού Συμβουλίου της ADVENT Technologies (2004-10).
- **Μέλος** Executive Board του Graphene Flagship (2016-σήμερα).
- **Μέλος** Διοικητικού Συμβουλίου του European Centre of Nanostructured Polymers (2008-10).
- **Πρόεδρος** του European Association of Composite Materials (2004-06).
- **Μέλος** του Διοικητικού Συμβουλίου του Nanofun-Poly Network of Excellence (2004-08).

### 3. Ερευνητικό Έργο

- Περισσότερες από **350 συνολικά** δημοσιευμένες εργασίες, άρθρα, κεφάλαια σε βιβλία, κ.α. **~14000 αναφορές** του ερευνητικού του έργου (**H-index 49- Google Scholar**).
- Επιτυχής επίβλεψη **24 διδακτορικών** διατριβών σε Αγγλία και Ελλάδα.
- **Προσκεκλημένος Ομιλητής** σε περισσότερα από **30 διεθνή Συνέδρια**.
- Προσέλκυση **ερευνητικών προγραμμάτων** αξίας περίπου **~11 M Euro (own budget)** στο Παν. Πατρών & ΙΤΕ/ ΙΕΧΜΗ (1997-σήμερα), και **~2 M Euro (own budget)** στο Queen Mary- Παν. Λονδίνου. Επίσης **~10 M Euro** σε **χρηματοδοτήσεις υποδομών (institutional grants)**.
- **Συντονιστής ERC Advanced Grant** 'Tailor Graphene'-(2013-18)

### 4. Ακαδημαϊκές Δραστηριότητες

- **Εθνικός Εκπρόσωπος** στην Επιτροπή NMBP του Ορίζοντα 2020, **Εθνικός Εκπρόσωπος στο Graphene Flagship**, Member of the Executive Board of Graphene Flagship, **Ιδρυτής & Επικεφαλής** του **FORTH-Graphene Centre**.
- **Πρόεδρος και Διοργανωτής** διεθνών συνεδρίων/ Workshops και Summer schools: Graphene Week 2017 (Athens), Industrial Technologies 2014 Conference (Athens), GraphEL (2012), NANOCNF (2007), ECCM 11 (2004) κ.α.
- **Editor in Chief** του *Graphene Technology (Springer)*, **Chief-Editor Διεθνών Περιοδικών** *Advanced Composite Letters* και *Journal of Nanostructured Polymers and Nanocomposites*.

## Περιεχόμενα

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## **ΠΑΡΟΥΣΑ ΘΕΣΗ**

- ♦ Καθηγητής στο Τμήμα Χημικών Μηχανικών, Παν. Πατρών
- ♦ Συνεργαζόμενο μέλος ΔΕΠ του ΙΤΕ/ΙΕΧΜΗ
- ♦ Επισκέπτης Καθηγητής, Σχολή Μηχανικής και Υλικών, Queen Mary University of London

## **ΕΚΠΑΙΔΕΥΣΗ**

1977-1981 Διδακτορικό Δίπλωμα – Πανεπιστήμιο Λονδίνου  
1972-1977 Πτυχίο Τμήματος Χημείας – Πανεπιστήμιο Αθηνών

## **ΠΡΟΫΠΗΡΕΣΙΑ**

2014-τώρα Καθηγητής, Τμήμα Χημικών Μηχανικών, Παν. Πατρών  
2002-2014 Καθηγητής, Τμήμα Επιστήμης Υλικών, Παν. Πατρών  
2007-2013 Διευθυντής στο Ινστιτούτο Επιστημών Χημικής Μηχανικής (ΙΕΧΜΗ) και μέλος του Διοικητικού Συμβουλίου του Ινστιτούτου Έρευνας και Τεχνολογίας, (ΙΤΕ)  
1996-2002 Διευθυντής Ερευνών (Ερευνητής Α') στο ΙΤΕ/ΙΕΧΜΗ  
1993-1997 Αναπληρωτής Καθηγητής (Reader) στο Queen Mary, Παν. του Λονδίνου  
1987-1993 Λέκτορας στην Επιστήμη των Υλικών στο Queen Mary, Παν. του Λονδίνου  
1986 Λέκτορας στην Επιστήμη των Υλικών στο Πανεπιστήμιο του Brunel  
1981-1986 Βοηθός Ερευνητής στο Queen Mary, Παν. του Λονδίνου

## **ΕΠΑΓΓΕΛΜΑΤΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ**

Εθνικός Εκπρόσωπος στην Επιτροπή NMBP (Νανοτεχνολογίες, Προηγμένα Υλικά, Βιοτεχνολογία και Αναβάθμιση της Παραγωγικής Διαδικασίας στη Βιομηχανία) για το Πρόγραμμα Πλαίσιο Horizon 2020 της Ευρωπαϊκής Ένωσης (2014-τώρα). Εθνικός Εκπρόσωπος στην Επιτροπή Νανοτεχνολογίας, Υλικών και Διεργασιών Παραγωγής στο 7<sup>ο</sup> Πρόγραμμα Πλαίσιο της Ευρωπαϊκής Ένωσης (2011-2013). Εθνικός Εκπρόσωπος στο Graphene Flagship (2013-2023). Ιδρυτικό μέλος και επικεφαλής του FORTH Graphene Centre (το μοναδικό κέντρο Γραφενίου στην Ελλάδα). Μέλος του European Research Council panel for Engineering (2014-τώρα). Editorial Board Member του περιοδικού Scientific Reports (Nature) για την επιστημονική περιοχή Physical Chemistry (2015-τώρα). Chief Editor του περιοδικού *Graphene Technology* (Springer) (2016-σήμερα). Κριτής, Εμπειρογνώμων, Αντιπρόεδρος και Επιθεωρητής (Independent Observer) σε κρίσεις ερευνητικών προτάσεων σε δράσεις των Πλαισίων 5, 6, και 7 του H2020 (2014-τώρα). Αντιπρόεδρος στην αξιολόγηση των Marie-Curie και συνολικά στο 7<sup>ο</sup> πλαίσιο του Horizon 2020 (2014-τώρα). Επίσημος Εξωτερικός Κριτής των εσωτερικών προγραμμάτων του Ευρωπαϊκού Joint Research Centre (JRC) στην ISPRA, Italy (2000-2003). Κριτής για το Fulbright Foundation, USA, (1992-current). Κριτής/ εκλέκτορας σε προαγωγές καθηγητών σε Αμερικάνικα πανεπιστήμια (Cornell, GIT, RPI). Συντονιστής και αντιπρόσωπος για το Ηνωμένο Βασίλειο της επιτροπής πανεπιστημίων-βιομηχανίας στο πρόγραμμα European Concerted Action on Composite Interfaces (1992-97). Επίσημος Εξωτερικός Εξεταστής/ Κριτής στο μεταπτυχιακό πρόγραμμα MSc course on Advanced Materials στο Department of Materials of University of Surrey, UK (1995-97). Εξωτερικός εξεταστής στα διδακτορικά προγράμματα τεσσάρων πανεπιστημίων του Ηνωμένου Βασιλείου (London, Manchester, Sheffield, Surrey), ενός πανεπιστημίου της Γερμανίας (Kaiserlautern) and 2 ελληνικών πανεπιστημίων (ΕΜΠ και Πατρών) (1990-σήμερα). Εκλεγμένο μέλος της Ακαδημαϊκής Συγκλήτου του Queen Mary Univ. of London (1993-95).

## **ΔΙΟΙΚΗΤΙΚΗ ΕΜΠΕΙΡΙΑ**

Μέλος Executive Board του Graphene Flagship (2016-σήμερα). Μέλος του Επιστημονικού Συμβουλίου (ΕΣ) του Ελληνικού Ιδρύματος Έρευνας και Καινοτομίας (ΕΛΙΔΕΚ) (2017- σήμερα). Διευθυντής του κόμβου καινοτομίας στη «νανοτεχνολογία» (NanoHUB), που εδρεύει στο Επιστημονικό Πάρκο Πατρών

(2016-σήμερα). Διευθυντής του Ινστιτούτου Επιστημών Χημικής Μηχανικής (ΙΕΧΜΗ) και μέλος του Διοικητικού Συμβουλίου του Ιδρύματος Τεχνολογίας και Έρευνας (ΙΤΕ) (2007-2013). Μέλος του Διοικητικού Συμβουλίου της ADVENT Technologies(Greece-US) (2004-2010). Μέλος του Διοικητικού Συμβουλίου του European Centre of Nanostructured Polymers (2004-2006 και 2008-2010). Μέλος του European Composites Society (2014-σήμερα). Εκλεγμένο Μέλος του Executive Council του European Association of Composite Materials (1999-2012). Εκλεγμένος Πρόεδρος του European Association of Composite Materials (2004-2006). Μέλος του Διοικητικού Συμβουλίου του Nanofun-Poly Network of Excellence (2004-2008).

### **ΒΙΟΜΗΧΑΝΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ**

Σύμβουλος όλων των μεγάλων επιχειρήσεων που δραστηριοποιούνται στα προηγμένα υλικά και άλλων μεγάλων βιομηχανικών εταιρειών όπως Dow Chemicals, BP (Sunbury), Monsanto (Solutia) Inc, Courtaulds plc, British Aerospace (BAe) κτλ.

### **ΠΑΝΕΠΙΣΤΗΜΙΑΚΗ ΔΙΔΑΣΚΑΛΙΑ**

- ♦ Τμήμα Χημικών Μηχανικών Πανεπιστήμιο Πατρών Μηχανική των Υλικών; Επιστήμη Υλικών, Νανοϋλικά – Νανοτεχνολογία, Υλικά για Ενεργειακές Εφαρμογές
- ♦ Τμήμα Επιστήμης των Υλικών Πανεπιστήμιο Πατρών Φυσικοχημεία; Επιστήμη Υλικών (3); Σύνθετα Υλικά, Πολυμερή
- ♦ Διατμηματικό Μεταπτυχιακό Πρόγραμμα στην Επιστήμη και Τεχνολογία Πολυμερών- Πανεπιστήμιο Πάτρας Φυσική των Πολυμερών; Σύνθετα Υλικά
- ♦ Διατμηματικό Μεταπτυχιακό Πρόγραμμα στην Επιστήμη και Τεχνολογία Πολυμερών- Πανεπιστήμιο Αθηνών Σύνθετα Πολυμερή: Παρασκευή και Χαρακτηρισμός

### **ΠΑΝΕΠΙΣΤΗΜΙΑΚΗ ΔΙΔΑΣΚΑΛΙΑ UK (1987-1997)**

- ♦ Department of Materials - Queen Mary Univ. London Thermodynamics and Chemical Kinetics; Mechanical Properties of Polymers
- ♦ Graduate Masters Program on Composites- Queen Mary & Imperial College Mechanical Characterisation, Impact Fatigue and Environmental Properties of Composites

### **ΕΡΕΥΝΗΤΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ**

**Γραφένιο και Νανοσωλήνες Άνθρακα:** Χαρακτηρισμός και μοντελοποίηση της μηχανικής συμπεριφοράς σε εφελκυσμό και θλίψη. Τροποποίηση επιφάνειας και δομικός χαρακτηρισμός. Παραγωγή νανოსύνθετων. **Σύνθετα Υλικά:** Μετρήσεις τάσεων/ παραμορφώσεων στη μικροκλίμακα (αισθητήρες). Διεπιφανειακές μετρήσεις. Μικρομηχανική ενίσχυσης. Μορφές αστοχίας. Ευφυείς δομές. **Πολυμερή:** Μοντελοποίηση δομής/ ιδιοτήτων σε ημικρυσταλλικά πολυμερή. Μορφολογικός και δομικός χαρακτηρισμός. Δονητική φασματοσκοπία. **Μη Καταστροφικός Έλεγχος Υλικών:** Χρήση της φασματοσκοπίας Laser Raman για μετρήσεις τάσεων ή παραμορφώσεων σε ίνες και σύνθετα υλικά πολυμερικής και κεραμικής μήτρας.

## **ΕΡΕΥΝΗΤΙΚΕΣ ΑΠΟΣΤΟΛΕΣ**

Πρόεδρος της Διεθνούς Επιτροπής Αξιολόγησης του Διατμηματικού Προγράμματος στην Επιστήμη και Τεχνολογία των Πολυμερών (2000). Multiple Research Missions to the European research lab (JRC) at ISPRA, Italy on the theme of “Composite Structures” (1995-97).

## **ΧΡΗΜΑΤΟΔΟΤΗΣΗ ΕΡΕΥΝΑΣ/ ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ**

Εκτενής εμπειρία στο συντονισμό ερευνητικών προγραμμάτων. Κύριος συντονιστής σε πάνω από 50 ερευνητικά προγράμματα χρηματοδοτούμενα από την Ευρωπαϊκή Ένωση, Βιομηχανία και Εθνικές πηγές. Συνολικός προϋπολογισμός αυτών των προγραμμάτων πάνω από 100 Μ€. Χειρισμός και συντονισμός προγραμμάτων πάνω από 11 Μ€ για ερευνητική δραστηριότητα της ομάδας στην Πάτρα. Πρόσφατα διαχειρίζεται και συντονίζει προγράμματα χρηματοδοτούμενα από το 7<sup>ο</sup> πρόγραμμα πλαίσιο, το ERC (ΓΓΕΤ) κ.α. Την περίοδο 2004-2008 συμμετείχε ως core partner στο European Network of Excellence (NoE) in Nanostructured Polymers and Nanocomposites. Έχει συντονίσει (2006-10) ένα Marie Curie – Transfer of knowledge (TOK) grant για έρευνα σε high volume fraction in carbon nanotube polymer composites. Γενικά οι πηγές χρηματοδότησης προέρχονται από CEC (FP5, FP6, FP7), EPSRC (UK), DRA (UK), ROYAL SOCIETY (UK), ONR (USA), GSRT (GR) etc.

[ΠΑΡΑΡΤΗΜΑ I](#)

## **ΕΡΕΥΝΗΤΙΚΗ ΟΜΑΔΑ (20 μέλη)**

### **Post-Doctoral (10):**

Maria-Giovanna Pastore Carbone, George Anagnostopoulos, George Gorgolis, Panagiotis Pappas, Charalambos Androulidakis, Anastasios Manikas, Manolis Koukaras, Labrini Syggelou, George Trakakis, Nikolaos Kontis

### **PhD (8):**

George Paterakis, Nikos Koutroumanis, Christos Pavlou, Christos Katsiropoulos, Christos Tsakonas, Christos Kostaras, Marinos Dimitropoulos, Maria Kotsidi

### **MSc (2)**

Antonis Akouros, Iwanna Souli

### **Επίβλεψη Διδακτορικών**

24 ολοκληρωμένα Διδακτορικά και 4 σε εξέλιξη.

[ΠΑΡΑΡΤΗΜΑ II](#)

### **Επίβλεψη Διατριβών Masters**

22 ολοκληρωμένα Masters και 2 σε εξέλιξη

[ΠΑΡΑΡΤΗΜΑ III](#)

## **ΓΛΩΣΣΕΣ**

Ελληνικά, Αγγλικά, Ισπανικά, Ιταλικά, στοιχειώδη Γαλλικά.

## **ΕΚΔΟΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ: Διεθνή Περιοδικά**

**Editor-in-Chief of Advanced Composites Letters (since 1993).** Διεθνές περιοδικό το οποίο είναι καταχωρημένο σε όλες τις βάσεις δεδομένων (Web of Science, Scopus κλπ). Εκδίδει refereed short Letters και Full Papers. Εκδίδεται κάθε 2 μήνες (publishers: Adcotec Ltd., London, UK). **Editor-in-Chief** του περιοδικού **Nanostructured Polymers and Nanocomposites (2005-2014)**. Το περιοδικό δημοσίευε research papers και εκδιδόταν κάθε 3 μήνες (publishers: ECNP, Italy). Από το 2015, έχει ενσωματωθεί στο ACL (βλέπε παραπάνω). **Editor-in-Chief** του περιοδικού “Graphene Technology” (Springer), από το 2017. Μέλος του **Editorial Board** των περιοδικών, “Scientific Reports” (Nature) , και “Applied Sciences”.

### **ΒΡΑΒΕΙΑ/ ΔΙΑΚΡΙΞΕΙΣ:**

- ♦ Βράβευση από την Ακαδημία Αθηνών της επιστημονικής δημοσίευσης "Curvature dependent surface energy for a free standing monolayer graphene: Some closed form solutions of the non-linear theory" (D. Sfyris, G. I. Sfyris and C. Galiotis, International Journal of Non-Linear Mechanics, 67:186-197, 2014) με το Βραβείο του Ακαδημαϊκού Περικλή Σ. Θεοχάρη (Δεκέμβριος 2015).
- ♦ Μέλος της Εκτελεστικής Επιτροπής του Graphene Flagship (2016-τώρα).
- ♦ Εθνικός Εκπρόσωπος στην Επιτροπή NMP+B για το Πρόγραμμα Πλαίσιο "Horizon 2020" της Ευρωπαϊκής Ένωσης (2013-τώρα).
- ♦ Εθνικός Εκπρόσωπος στην Επιτροπή Νανοτεχνολογίας, Υλικών και Διεργασιών Παραγωγής στο "7<sup>ο</sup> Πρόγραμμα Πλαίσιο" της Ευρωπαϊκής Ένωσης (2011-2013).
- ♦ Εθνικός Εκπρόσωπος στο "FET Flagship" του Γραφενίου (από 2012).
- ♦ Βραβείο του John S. Latsis Public Benefit Foundation για το project "Mechanical behaviour of two-dimensional crystals: The case of graphene" (2010).
- ♦ Μέλος της Εκτελεστικής Γραμματείας του European Association of Composite Materials (1999-2012).
- ♦ Μέλος του Διοικητικού Συμβουλίου του Nanofun-Poly Network of Excellence (2004-2008).
- ♦ Εκλεγμένος Πρόεδρος του European Association of Composite Materials (2004-2006).
- ♦ Πρώτα Βραβεία του Ινστιτούτου Υλικών του Λονδίνου τα έτη 1990, '91 και '93.
- ♦ Υποτροφία Βρετανικής Κυβέρνησης για την εκπόνηση Διδακτορικού (1978-91).
- ♦ Du Pont Young Faculty Award (1989-90).
- ♦ Δεύτερο Πανελλήνιο Βραβείο της Μαθηματικής Εταιρείας (1972).

### **ΜΕΛΟΣ ΕΠΑΓΓΕΛΜΑΤΙΚΩΝ ΟΡΓΑΝΩΣΕΩΝ**

- ♦ Member of American Chemical Society (ACS).
- ♦ Editorial Board Member (Chemical Physics) of Scientific Reports (Nature) journal.
- ♦ Member of the Institute of Materials (UK).
- ♦ Member of the Institute of Physics (Chartered Physicist).
- ♦ Member of IUPAC (WP 4.2.1).
- ♦ Member of ASTM (Committee D-30).
- ♦ Member of the US Fiber Society.
- ♦ Member of the Materials Research Society.
- ♦ Member of SAMPE.
- ♦ Member of the Greek Society of Chemists 1999-current.
- ♦ Elected Member of the Executive Council of the European Association of Composite Materials.
- ♦ Member of the European Society of Composite Materials.
- ♦ Elected Member of the Executive Council of FORTH/ICE-HT.

### **ΠΡΟΣΚΕΚΛΗΜΕΝΕΣ ΟΜΙΛΙΕΣ ΣΕ ΣΥΝΕΔΡΙΑ (τελευταία 10ετία)**

- 2018, Shechtman – Suresh Convocation & Honorary Symposium, Aristotle University of Thessaloniki Nov 30 – Dec 3, "Mechanics of monolayer graphene at suspended and embedded states"
- 2018, 12<sup>th</sup> Hellenic Polymer Society International Conference, Ioannina, Greece, September 30 - October 3, "Multi-functional graphene/polymer nanocomposites"
- 2018, Graphene Week 2018, San Sebastian Spain, September 10-14, "Development of multi-functional macro-scale CVD graphene/polymer nanolaminates"
- 2018, ECCM18, Athens, Greece, June 25-28, "Overview of Graphene Polymer Composites with emphasis on current developments"
- 2018, Imagine Nano, Bilbao, Spain, March 13-16, "Multi-functional CVD graphene/polymer nanolaminates"

2018, Graphene Study Winter School 2018, Obergurgl, Austria, February 5-10, "Mechanical properties of graphene and graphene/ polymer composites"

2017, 3rd EU-Korea Workshop on Graphene and Related 2D Materials, Jeju Korea 5-6 December 2017, "Mechanics of Graphene in Suspended, Supported and Embedded States"

2017, "Eurofillers Polymer Blends 2017", Heraclion, Greece, "Graphitic materials; the ideal multifunctional polymer fillers"

2017, GRAPHENE 2017, 28-31 March, Barcelona, Spain, "Towards a better understanding of the mechanical behaviour of graphene and 2D materials"

2016, ICAutoC 2016, Lisboa 21-23 September, topic: "From Graphene to Carbon Fibres: mechanical properties and stress transfer in composites"

2016, ECCM 17 2016, Munich 26-30 June, Session Developer, topic: "Graphene-Graphene Based Composites"

2016, Graphene 2016, Genova 19-22 April, "Mechanics of Suspended and Supported Graphene"

2015, GraphITA 2015, Bologna 14-18 September, "Uniaxial tension of 2D membranes such as graphene; is orthogonal buckling avoidable?"

2015, GrapheneWeek 2015, Manchester 22-26 June

2015, Euronanoforum Latvia, Riga 10-12 June, Graphene Workshop "Graphene Mechanical Properties"

2015, Graphene Flagship meeting, Bologna 23-24 April

2015, 3<sup>rd</sup> Science & Technology Forum, Demokritos NSCF, Athens, Greece "Mechanical deformation of graphene and graphene-based nanocomposites"

2014, Horizon 2020, Athens & Patras, Greece, December 8-9, topic: "The Greek participation in the MNPB Committee for the Horizon 2020"

2014, 10<sup>th</sup> Hellenic Polymer Society Conference, Patras, Greece, December 4-6, topic: "Polymer/graphene stress transfer mechanisms"

2014, Israel-Greece Joint Meeting on Nanotechnology & Bionanotechnology, Tel Aviv, Israel, October 19-22, topic: "Nanotechnology Research in Greece"

2014, Graphene Summer School 2014, Patras, Greece, July 14-18, topic: "Recent Scientific Advances and Applications of Graphene"

2014, Graphene 2014, Toulouse, France, May 6-9, topic: "Graphene Research in Greece"

2014, Industrial Technologies 2014, Athens, Greece, April 9-11, topic: "Smart Growth Through Research and Innovation"

2014, GRAPHEsp2014, Lanzarotte, Spain, February 18-24, topic: "Interfaces in Graphene Polymer Composites"

2013, TNT'13 Seville, Spain, topic: "Mechanical Behaviour of Graphene-based Nanocomposites"

2013, Onassis Lectures Series in Physics and Chemistry (theme: Nanosciences and Nanotechnology), July 15-19 2013, Heraklion, Greece, topic: "Graphene Research in Greece"

2012, Nanocarbon, Valencia, Spain topic: "Mechanical Behaviour of Graphene-based Nanocomposites"

2012, ECCM17, Venice, Italy, topic: "Mechanical Behaviour of Graphene and Graphene Nanocomposites"

2012, FET Flagship, Manchester, UK, topic: "Mechanical Properties of Graphene"

2011, Graphita, L'Aquila, Italy, topic: "Deforming Single and Multilayer Graphenes"

2011, Brussels, DG-Research, NMP Workshop- Graphene 2020, topic: "Mechanical Properties of Graphene"

2011, Crete, IC4N, topic: "Mechanical Properties of Graphene in Tension and Compression"

2011, Cyprus, 27 Sol.State Phys. & Mater.Sci.Conf., topic: "Mechanical Deformation of Graphenes and Graphene-based Nanocomposites"

2010, ECNP, Madrid, topic: "Mechanical Behaviour of Monolayer Graphene and Nanocomposites"

2010, Polymer Fibre, Edinburgh, UK, topic: "Seeing carbon fibres through graphene"

2008, Nanofun, Alicante, Spain, topic: "Nanocomposites"

Πλήρης λίστα, βλέπε

[ΠΑΡΑΡΤΗΜΑ IV](#)

### **ΟΡΓΑΝΩΣΗ ΔΙΕΘΝΩΝ ΣΥΝΕΔΡΙΩΝ/ WORKSHOPS και SUMMER SCHOOLS**

- 2017, **Chairman and Organiser** of the **Graphene Week** (Athens, Greece).
- 2015, **Chairman and Organiser** of the **Summer School 2015**(Patras, Greece) on **New Carbon Fibres**- 100 participants.
- 2014, **Chairman and Organiser** of the **Graphene Summer School 2014**(Patras, Greece)-100 participants.
- 2014, **Chairman and Organiser** of a Workshop on Graphene-based Composites in **ECCM16**, Seville, Spain (June 22-26).
- 2014, **Chairman and Co-organiser**(with Prof. Chryssolouris) of the International **Industrial Technologies 2014** Conference (Athens, Greece)- 1300 participants.
- 2013, **Co-organiser** (with Prof. Anastasiadis) of the Onassis Lectures Series in Physics and Chemistry (*theme*: Nanosciences and Nanotechnology), July 15-19 2013, Heraklion.
- 2012, **Chairman and Organiser** of the International **GraphEL** conference (Mykonos, Greece)- 150 participants.
- 2007, **Chairman and Organiser** of the International **NANOCNF'07** conference (Corfu, Greece)- 150 participants.
- 2004, **Chairman and Organiser** of **ECCM11** (Rhodes, Greece)- 650Participants.
- 1997, **Chairman** of workshop on Composite Materials at **JRC, ISPRA**, Italy- 30 participants.
- 1993, **Chairman** Composite Interfaces workshop (funded by ONR, USA) and held in London- 30 participants.

### **ΔΗΜΟΣΙΕΥΣΕΙΣ**

357 δημοσιεύσεις συνολικά: 9 κεφάλαια σε βιβλία, 3 refereed reviews, 2 patents, 190 refereed journal papers, 51 refereed books of proceedings, 102 in non-refereed conference proceedings, (βλ. Διαγράμματα, πηγή Web of Science).

Βλέπε

[ΠΑΡΑΡΤΗΜΑ V](#)

### **ΑΝΑΦΟΡΕΣ(πηγή WEB\_of\_SCIENCE)**

~9500 citations

~8500 without self-citations

H-index: 39

Βλέπε

[ΠΑΡΑΡΤΗΜΑ V](#)

### **ΑΝΑΦΟΡΕΣ(πηγή Google Scholar)**

~14000 citations

H-index~49

### **ΔΙΠΛΩΜΑΤΑ ΕΥΡΕΣΙΤΕΧΝΙΑΣ**

*“Truss Structured Heavy Duty Composite Bridge”*, GR patent No. 1003936, issued on 5/7/2002.

*“Method and Apparatus for Measuring Raman Spectrum and Physical Properties In-Situ”*, by J. Dupee, C. Galiotis and D. L. Davidson US Patent # 5,999,255, issued on 7/ 12/1999.

### **ΜΟΝΟΓΡΑΦΙΕΣ ΣΕ ΒΙΒΛΙΑ ΚΑΙ ΚΕΦΑΛΑΙΑ ΒΙΒΛΙΩΝ (με μέλη της ερευνητικής ομάδας)**

8 Δημοσιεύσεις βλέπε

[ΠΑΡΑΡΤΗΜΑ VI](#)

### **ΜΟΝΟΓΡΑΦΙΕΣ: (κατόπιν πρόσκλησης)**

3 Δημοσιεύσεις βλέπε

[ΠΑΡΑΡΤΗΜΑ VII](#)



**ΑΡΘΡΑ ΑΝΑΣΚΟΠΗΣΗΣ**

3 Δημοσιεύσεις βλέπε

[ΠΑΡΑΡΤΗΜΑ VIII](#)

**ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΠΕΡΙΟΔΙΚΑ (Χρονολογική Ταξινόμηση)**

Πλήρης λίστα, βλέπε

[ΠΑΡΑΡΤΗΜΑ IX](#)

**ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΣΥΝΕΔΡΙΩΝ ΜΕ ΚΡΙΤΕΣ (Χρονολογική Ταξινόμηση)**

Πλήρης λίστα, βλέπε

[ΠΑΡΑΡΤΗΜΑ X](#)

**ΠΑΡΟΥΣΙΑΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΣΥΝΕΔΡΙΩΝ ΧΩΡΙΣ ΚΡΙΤΕΣ (χρονολογική ταξινόμηση)**

Βλέπε

[ΠΑΡΑΡΤΗΜΑ XI](#)

## ΠΑΡΑΡΤΗΜΑ Ι

### Χρηματοδοτούμενα Ερευνητικά Έργα (1997-τώρα)

**Major grant-holder of contracts as FORTH/ICE-HT and Univ. of Patras of approx. 11 million Euro (own budget).**

1. **SMARTFAN** "Smart by Design and Intelligent by Architecture for turbine blade fan and structural components systems"  
(2018-2020) -Budget: 382.487,50
2. **GRAPHENART** "Graphene as effective anti-fading agent for the protection of artworks"  
(2017-2019) -Budget: 119.875
3. **GRAPHENE CORE 2** "Graphene Flagship Core Project 2"  
(2018-2020) -Budget: 430.037
4. **LMCat** "Development of continuous two-dimensional defect free materials by liquid-metal catalytic routes"  
(2017-2020) -Budget: 655.016,25
5. **GRAPHENE CORE 1** "Graphene-Graphene based disruptive technologies"  
(2016-2018)-*further extension envisaged till 2023.* -Budget: 340.507
6. **NEWSPEC** "New cost-effective and sustainable polyethylene based carbon fibres for volume market applications"- FP7 Large (2013-2017). -Budget:1.078.016
7. **TAILOR GRAPHENE** "Tailoring Graphene to Withstand Large Deformations" ERC Advanced Grant  
(2013-2018). -Budget:2.025.600
8. **GRAPHENE/GRAPHENE FET FLAGSHIP** "Graphene-Graphene based revolutions in ICT and beyond"  
(2013-2016)- *further extension envisaged till 2023.* -Budget: 340.622
9. **INDUSTRY TECH 2014** "Smart Growth Through Research and Innovation; Towards EUROPE 2020"  
(2013-2014). -Budget: 599.959
10. **PhoSIL** "Design and development of energy efficient photovoltaic cells of new architectures with laser processing" REGIONAL OF WESTERN GREECE (2012-2014). -Budget: 195.656
11. **ECNP-GROWTH** "Consolidation of the European Centre for Nanostructured Polymers", FP7 (ECNP-GROWTH)  
(2012-2014). -Budget: 53.400
12. **THALIS** "Graphene and Graphene nanocomposites: production, properties and applications"  
MINISTRY OF EDUCATION (2012-2015). -Budget: 599.400
13. **ERC-10** "Deformation , Yield and Failure of Graphene and Graphene-based nanocomposites"  
GSRT (2012-2015)for a short-listed European Research Council (ERC) proposal. -Budget: 1.271.000
14. **Post-Doctoral Programme GSTR** "Mechanical Response of Graphene under high deformations"  
(2012-2015). -Budget: 150.000
15. **HERACLITUS PROGRAMME** "Mechanical and spectroscopic study of reinforced materials based on graphene and model polymeric composites", MINISTRY OF EDUCATION, European Social Fund (2010-2013). -Budget: 45.000

16. **PROSUITE** "Development and application of a standardized methodology for the prospective sustainability assessment of technologies" , FP7-ENV (CEC), (2009-2012). -Budget: 27.000
17. **MARIE-CURIE** "High Volume Fraction Nanocomposites", TOK CNTCOMP, FP6-MC (CEC) (2006-2010). -Budget: 733.900
18. **ΑΝΑΠΛΑΣΗ** "Composite Materials from Recycled Plastics and Plant Inclusions", Region of Western Greece, (2006-2008). -Budget: 150.000
19. **MARIE-CURIE ERG** "Pressure measurements", (2005-2006). -Budget: 45.000
20. **NANOFUN-POLY** "Nanostructured and Functional Polymer-Based Materials and Nanocomposites", FP6-NoE (CEC) (2004-2008). -Budget: 1.167.328
21. **E.P.A.E.K. II** "Identification of failure micro-mechanisms in composite materials via in-situ measurements of stress fields", Ministry of Education (2004-2007). -Budget: 85.000
22. **MARIE CURIE** Large Conference, "European Conference on Composite Materials" (CEC) (2004). -Budget: 43.170
23. **Praxe A** "New materials in construction", GSRT, Greece (2003). -Budget: 44.000
24. **PENED** "Development and characterization of smart composite materials incorporating shape memory wires", GSRT PENED (2002-2005). -Budget: 76.911
25. **PENED** "Intramedullary Osteosynthesis of Bone Fracture and Intramedullary Osteosynthesis Under Stress with the use of Shape Memory Alloys" Ministry of Education- PENED (2002-2006). -Budget: 146.000
26. **VaFTeM** "Ceramic and Carbon Fibres: Validation of Testing Methods, GROWTH" (CEC) (2001-2004). -Budget: 200.000
27. **DAMPBLADE** "Wind Turbine Rotor Blades Using Passively Damped Composites, FP6 ENERGIE (CEC) (2001-2004). -Budget: 228.920
28. **SAFEFLOOR** "Low Risk and Totally Recyclable Structural Buildings , FP 6 GROWTH" (CEC) (2001-2004). -Budget: 200.000
29. **MEGAWIND** "Development of a MW Wind Turbine for High Wind Complex Terrain Sites" , ENERGIE (CEC) (2001-2004). -Budget: 228.988
30. "Structure and Dynamics in Crystalline Polymers: Vibrational Spectroscopy and Molecular simulation", NATO (2001-2003). -Budget: 9.915
31. **E.P.E.T** "Industrial Applications of Composite Materials", GSRT, E.P.E.T. (2000). -Budget: 2.415
32. "Raman Spectroscopic Study on the Strain-induced Phase Transformation in Isotactic and Syndiotactic Polypropylenes", Greek-German Co-operation, (1999-2001). -Budget: 13.000
33. "Design Construction and installation of all polymer composite bridge", GSRT (1998-2001). -Budget: 395.000
34. **ADAPT** "Adaptive Composites with Embedded Shape Memory Alloy Wires", Brite-Euram (CEC) (1998-2001). -Budget: 530.000

## **INSTITUTIONAL GRANTS (2007-2012)**

1. "Strengthening of Research Potential of FORTH/ICE-HT  
Western Regional of Greece (2011-2013). -Budget: 148.300
2. New Construction Programme for FORTH/ICE-HT  
Western Regional of Greece (2012-2015). -Budget: 9.700.000

## **RESEARCH GRANTS (1987-1995):**

**Major grant-holder of contracts of approx. 2.0 million EURO (own budget) during 1987-1995 (at Queen Mary, Univ.of London):**

Biological materials, Nuffield Foundation, (1995)	Budget: 1320
sPS polymeric materials, Dow Europe, (1995)	Budget: 90000
Smart materials, Copernicus European Smart Materials Network, (1994-1997)	Budget: 15000
Travel grant to China, Royal Society, (1994)	Budget: 1575
Macrocomposites, British-German Research Collaboration, (1994-1997)	Budget: 8325
Composite Fracture Characteristics, SERC, (1994-1997)	Budget: 75000
Ceramic composites, ONR-Drexel Univ. (US), (1993-1996)	Budget: 100000
Engineering thermoplastics, Dow Europe, (1993-1995)	Budget: 210000
Quality Control, Comett (CEC), (1992-1995)	Budget: 12750
Composite Interfaces, DRA, (1993-1996)	Budget: 82500
Modelling of interfaces, NPL, Oct. (1992-1995)	Budget: 22500
High Performance polymers, Dow Europe, (1992)	Budget: 112500
BMI composites, Brite-Euram (CEC), (1992-1995)	Budget: 480000
Case Award, British Aerospace, (1991-1994)	Budget: 15750
Carbon fibre (ext.), RAE (MOD), (1991)	Budget: 48000
PEEK composites, ICI- Wilton, (1990-1992)	Budget: 15000
PEEK composites, SERC (Coop.)/ ICI (1990-1992)	Budget: 95578.5
LCP modeling, Dow Europe, (1990-1992)	Budget: 204750
Case Award, ICI- Paints, (1989-1992)	Budget: 4500
APC composites, ICI- Wilton, (1989)	Budget: 12000
Feasibility, SERC (Feasibility), (1989)	Budget: 34500
Kevlar interfaces, DuPont (USA), (1989)	Budget: 23437.5
Relaxation studies, Eurenco Ltd., (1989)	Budget: 11550
Case Award, BP-International, (1988-1991)	Budget: 9450
Carbon fibres, RAE (MOD), (1988-1991)	Budget: 170467.5
Carbon fibres, Courtaulds plc., (1988-1991)	Budget: 45000
Interfaces, AGARD-NATO, (1988-1990)	Budget: 3033
Feasibility, BP-International, (1987)	Budget: 4500
Raman lab, Queen Mary (Univ.London)- Internal, (1987)	Budget: 45000
Euram programme, Spanish Govt., (1987)	Budget: 1500
Work visit, British Council (Spain), (1987)	Budget: 1500

## ΠΑΡΑΡΤΗΜΑ ΙΙ

### Επίβλεψη Διδακτορικών Διατριβών

- Ch. Androulidakis**, Department of Materials Science, University of Patras (2016)  
*Title: "Analytical and Experimental Investigation of the Mechanical Behavior of Graphene Membranes under Axial Deformation"*
- G. Trakakis**, Interdepartmental Program in "Polymer Science and Technology", University of Patras (2014)  
*Title: "Fabrication and characterization of polymer nanocomposites"*
- G.Tsoukleri**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics, Univ. of Patras (2013)  
*Title: Mechanical and Spectroscopic Study of Reinforcing and Composite Materials based on Carbon"*
- F.Ravani**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics, Univ. of Patras (2013)  
*Title: "Study of interfacial organic thin films with graphene substrates"*
- P. Pappas**, Department of Materials Science, University of Patras (2009)  
*Title: "Smart composite materials with embedded shape memory alloys"*
- G. Anagnostopoulos**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics, Univ. of Patras (2006)  
*Title: "Study of mechanisms of stress transfer and damage propagation in fibrous polymer composites"*
- D. Bollas**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics, Univ. of Patras (2006)  
*Title: "Smart Composite Materials with Embedded Shape Memory Wires"*
- D. Katerelos**, Department of Mechanical Engineering, University of Patras (2004)  
*Title: "Mechanical behaviour of composite materials under static and dynamic loading and the presence of stress raisers"*
- S. Goutianos**, Queen Mary, University of London (part of PhD at FORTH/ICEHT) (2004)  
*Title: "Micromechanics of compressive failure in carbon-fibre polymer composites"*
- C. Koimtzoglou**, Department of Mechanical Engineering, University of Patras (2003)  
*Title: "Effect of Fatigue on the Interfacial Integrity of Carbon Fibre/ Epoxy Composites"*
- K. Dassios**, Department of Chemical Engineering, University of Patras (2003)  
*Title: "Bridging Stresses in Ceramic Composites"*
- R.B. Nath** -external student, Queen Mary, University of London (1998)  
*Title: "Finite element analysis of interfacial failure mechanisms in fibre-reinforced composites"*
- A. Evans**, Queen Mary, University of London (1998)  
*Title: "Structure, morphology and crystallisation of syndiotactic polystyrene"*
- J. Dupee**, Queen Mary, University of London (1998)  
*Title: "On-line crystallinity and temperature measurements of nylon-66 using a remote Raman probe"*
- B. Arjyal**, Queen Mary, University of London (1998)  
*Title: "In-situ stress/ strain measurements in composites using an aramid fibre as sensor"*
- A. Paipetis**, Queen Mary, University of London (1997)  
*Title: "A study of carbon fibre/ epoxy interface using remote laser Raman spectroscopy "*
- C. Marston** -external student, Queen Mary, University of London (1997)  
*Title: "An investigation of the strength and interface properties of single carbon fibres and carbon fibre tows in an epoxy resin"*
- K. Dimitriadis**, Queen Mary, University of London (1997)  
*Title: "Modelling of properties of LCP polymers"*
- B. Keneghan**, Queen Mary, University of London (1997)  
*Title: "Preparation and Properties of Diacetylene-Urethane Co-polymers"*
- C. Filiou**, Queen Mary, University of London (1995)  
*Title: "In-situ strain measurements in carbon fibre thermoplastic composites"*
- C. Vlattas**, Queen Mary, University of London (1995)  
*Title: "A study of the mechanical properties of liquid crystal polymer fibres and their adhesion to epoxy resin using Laser Raman Spectroscopy"*

- S. Travis**, Queen Mary, University of London (1994)  
 Title: *"The effect of oxidative treatment upon carbon fibre surfaces and adhesion to epoxy resins"*
- N. Melanitis**, Queen Mary, University of London (1991)  
 Title: *"An investigation of the tensile, compressive and interfacial properties of carbon fibres, using Laser Raman spectroscopy"*
- H. Jahankhani**, Queen Mary, University of London (1991)  
 Title: *"Characterisation of Kevlar-49 fibres and interfacial shear strength measurements in model composite materials, using Laser Raman spectroscopy"*

### **ΠΑΡΑΡΤΗΜΑ ΙΙΙ**

#### **Επίβλεψη Διδακτορικών (σε εξέλιξη)**

- M. Kotsidi**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *"CVD graphene transfer on flexible substrates adopted in contemporary artworks and characterization using various methods, and, study of Graphene Oxide and graphene flakes as additives in paint and coatings"*
- Ch. Tsakonias**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *" Production of graphene sheets with chemical vapour deposition by solid and liquid catalytic Routes"*
- Ch. Kostaras**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *"Composites of Carbon Nanotubes and Two Dimensional Nanomaterials - Fabrication and Technology Applications"*
- M. Dimitropoulos**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *"Synthesis and engineering of 2D material heterostructures: From basic properties characterization to advanced applications"*
- Ch. Katsiropoulos**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *"Preparation and Investigation of polymer composites reinforced with shape memory alloys and graphene aiming to the improvement of their damping behavior"*
- G. Paterakis**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *"Development and experimental study of electrochemical devices based on graphene"*
- N. Koutroumanis**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *"Preparation of novel composites, chemically modified carbon fiber / epoxy resins and study of the interface with Raman Spectroscopy"*
- Ch. Pavlou**, Chemical Engineering Dept., Univ. of Patras (current)  
 Title: *"Blending of nanocomposites based on biodegradable polymers with inclusions of organic nanoparticles"*

#### **Επίβλεψη Masters**

- A. Akouros**, Interdepartmental Programme in Polymer Science and Technology, (current)  
 Title: *"Development of graphene based stress-strain sensors by using polymer composite materials"*
- I. Souli**, Interdepartmental Programme in Polymer Science and Technology, (current)  
 Title: *"Mechanical behaviour of graphene encapsulated in polymer matrice"*
- N. Sotiriou**, Chemical Engineering Dept., Univ. of Patras (2017)  
 Title: *"Chemical deposition and surface modification of graphene thin films"*
- B. Xyseni**, Interdepartmental Programme in Polymer Science and Technology, (2017)  
 Dept. of Physics, Univ. of Patras  
 Title: *"Production of graphene polymer nanocomposites"*
- Ch. Katsiropoulos**, Interdepartmental Programme in Polymer Science and Technology, (2017)  
 Dept. of Physics, Univ. of Patras  
 Title: *"Fabrication and study of polymer composites with embedded super-elastic shape memory alloys aiming to improve the damping properties of the materials"*
- S. Kallivokas**, Chemical Engineering Dept., Univ. of Patras (2016)  
 Title: *"Theoretical study of statistical properties and mechanical of graphene with Monte Carlo simulations"*
- F. Petropoulos**, Department of Materials Science, Univ. of Patras (2015)

- Title: "Preparation and study of multi-functional composites of polymeric matrix with carbon fibres reinforcement"*  
**N. Koutroumanis**, Department of Materials Science, Univ. of Patras  
*Title: "Production and characterization of new carbon fiber "* (2015)
- G.Paterakis**, Interdepartmental Programme in Polymer Science and Technology,  
 Dept. of Physics, Univ. of Patras (2015)  
*Title: "Photovoltaic cells and devices using polymeric materials and graphene layers "*
- A. Gontzis**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras  
*Title: "Smart polymer composites; Study of the response of embedded actuators"*. (2013)
- P. Orfanoudakis**, Interdepartmental Programme in Polymer Science and Technology,  
 Dept. of Physics, Univ. of Patras (2013)  
*Title: "Self healing polymers; Fabrication and properties"*.
- L. Seremetis**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Effect of substrate on the properties of graphene; A Raman study"*. (2013)
- G. Trakakis**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Mechanical properties of nanocomposite materials"*. (2010)
- F. Ravani**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Study of surface chemistry of carbon based composites material"*. (2009)
- G. Tsoukleri**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Dynamical Mechanical Properties of Nanostructured Polymers"*. (2009)
- G. Kanellopoulou**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras, *Title: "Effect of recycling upon the properties of recovered polyethylene and polypropylene"*. (2008)
- D. Kastanis**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Preparation and characterization of reinforcing nanostructures and naocomposites based  
 on carbon nanotubes"*. (2008)
- G. Anagnostopoulos**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Study of the stress transfer mechanisms in fibrous composites materials"*. (2003)
- K. Gatos**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics, Univ. of Patras  
*Title: "Phase Transition Toughening of Polypropylene"*. (2002)
- D. Bollas**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics, Univ. of Patras  
*Title: "Stress Transmission in Smart Composites Incorporating SMA wires"*. (2002)
- C. Minogianni**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Structure Determination of Polypropylene Using Raman Spectroscopy"*. (2000)
- K. Stamou**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics, Univ. of Patras  
*Title: "Study of Interfacial Strength and Stress Distribution in Full Composites"*. (2000)
- I. Mavrantza**, Interdepartmental Programme in Polymer Science and Technology, Dept. of Physics,  
 Univ. of Patras *Title: "Detailed Atomistic Molecular Dynamics Simulation of the Orthorhombic Phase of Crystalline  
 Polyethylene and its IR emperature dependence"*. (2000)
- A. Evans**, Queen Mary, University of London  
*Title: "Structure and morphology of syndiotactic polystyrene injection moulded coupons"*. (1994)
- A.S. Paipetis**, Queen Mary, University of London  
*Title: "A study on comp ression testing of carbon fibre reinforced composites"*. (1992)

## ΠΑΡΑΡΤΗΜΑ IV

### ΣΥΜΜΕΤΟΧΕΣ ΣΕ ΣΥΝΕΔΡΙΑ

2018	<ul style="list-style-type: none"><li>• Shechtman – Suresh Convocation &amp; Honorary Symposium, Aristotle University of Thessaloniki, Nov 30 – Dec 3, “Mechanics of monolayer graphene at suspended and embedded states” - <b>INVITED</b></li><li>• 12th Hellenic Polymer Society International Conference, Ioannina, Greece, September 30 - October 3, “Multi-functional graphene/polymer nanocomposites”- <b>INVITED</b></li><li>• Graphene Week 2018, San Sebastian Spain, September 10-14, “Development of multi-functional macro-scale CVD graphene/polymer nanolaminates”</li><li>• ECCM18, Athens, Greece, June 25-28, “Overview of Graphene Polymer Composites with emphasis on current developments” - <b>KEYNOTE SPEAKER</b></li><li>• Imagine Nano 2018, Bilbao, Spain, March 13-16, “Multi-functional CVD graphene/polymer nanolaminates” - <b>KEYNOTE SPEAKER</b></li><li>• Graphene Study Winter School 2018, Obergurgl, Austria, February 5-10, <i>topic: “Structural Characterisation of Graphene-Based Materials”</i>- <b>INVITED</b></li></ul>
2017	<ul style="list-style-type: none"><li>• 3rd EU-Korea Workshop on Graphene and Related 2D Materials, Jeju Korea 5-6 December 2017, “Mechanics of Graphene in Suspended, Supported and Embedded States”, <b>INVITED</b></li><li>• “Eurofillers Polymer Blends 2017”, 23-27 April (2017) Heraclion, Greece <b>INVITED PLENARY</b></li><li>• GRAPHENE 2017, 28-31 March, Barcelona, Spain , <b>INVITED</b></li></ul>
2016	<ul style="list-style-type: none"><li>• 11<sup>th</sup> Hellenic Polymer Society International Conference, 3-5 November 2016 Heraclion, Greece</li><li>• ICAutoC 2016- Lisboa 21-23 September 2016, <b>INVITED PLENARY</b></li><li>• ECCM 17 2016, Munich 26-30 June, <i>topic</i> “Graphene-Graphene Based Composites”, “Compression behaviour of embedded graphenes of various thicknesses”</li><li>• Graphene Week 2016, 13-17 June (2016) Warshaw, Poland</li><li>• Graphene 2016- Genova 19-22 April 2016, <b>INVITED PLENARY</b></li></ul>
2015	<ul style="list-style-type: none"><li>• GraphITA 2015, Bologna 14-18 September</li><li>• GrapheneWeek 2015, Manchester 22-26 June</li><li>• Euronanoforum Latvia, Riga 10-12 June, Graphene Workshop “Graphene Mechanical Properties”- <b>INVITED</b></li><li>• Graphene Flagship meeting, Bologna 23-24 April</li><li>• 3rd Science &amp; Technology Forum, Demokritos NSCP, Athens, Greece “Mechanical deformation of graphene and graphene-based nanocomposites”</li></ul>
2014	<ul style="list-style-type: none"><li>• Horizon 2020, Athens &amp; Patras, Greece, December 8-9, <i>topic: “The Greek participation in the MNPB Committee for the Horizon 2020”</i></li><li>• 10<sup>th</sup> Hellenic Polymer Society Conference, Patras, Greece, December 4-6, <i>topic: “Polymer/ graphene stress transfer mechanisms”</i></li><li>• Israel-Greece Joint Meeting on Nanotechnology &amp; Bionanotechnology, Tel Aviv, Israel, October 19-22, <i>topic: “Nanotechnology Research in Greece”</i></li><li>• Graphene Summer School 2014, Patras, Greece, July 14-18, <i>topic: “Recent Scientific Advances and Applications of Graphene”</i>- <b>INVITED</b></li><li>• ECCM16, Workshop on Graphene-based Composites, Seville, Spain, June 22-26, <i>topic: “Composite Materials”</i> – <b>INVITED PLENARY</b></li><li>• Graphene 2014, Toulouse, France, May 6-9, <i>topic: “Graphene Research in Greece”</i></li><li>• Industrial Technologies 2014, Athens, Greece, April 9-11, <i>topic: “Smart Growth Through Research and Innovation”</i></li><li>• GRAPHEsp2014, Lanzarotte, Spain, February 18-24, <i>topic: “Interfaces in Graphene Polymer Composites”</i></li></ul>



2013	<ul style="list-style-type: none"> <li>• TNT'13 Seville, Spain, topic: "Mechanical Behaviour of Graphene-based Nanocomposites"- <b>INVITED PLENARY</b></li> <li>• Onassis Lectures Series in Physics and Chemistry (<i>theme</i>: Nanosciences and Nanotechnology), July 15-19 2013, Heraklion, Greece, topic: Graphene Research in Greece, <b>INVITED PLENARY</b></li> </ul>
2012	<ul style="list-style-type: none"> <li>• Nanocarbon, Valencia, Spain topic: "Mechanical Behaviour of Graphene-based Nanocomposites"- <b>INVITED PLENARY</b></li> <li>• ECCM17, Venice, Italy, topic: "Mechanical Behaviour of Graphene and Graphene Nanocomposites"- <b>INVITED PLENARY</b></li> <li>• ECCM17, Venice, Italy, "Carbon nanotubes buckypapers of controlled porosity and their nanocomposites"</li> <li>• FET Flagship, Manchester, UK, topic: "Mechanical Properties of Graphene"- <b>INVITED PLENARY</b></li> <li>• GrapHEL, Mykonos Greece, "Single, bi- and tri-layer graphenes as strain sensors in graphene based nanocomposites"</li> <li>• ECCM17 "Tensile mechanical properties of embedded dingle, bi- and tri-layer graphene flakes"</li> </ul>
2011	<ul style="list-style-type: none"> <li>• Graphita, L'Aquila, Italy, topic: Deforming Single and Multilayer Graphenes- <b>INVITED PLENARY</b></li> <li>• Brussels, DG-Research, NMP Workshop- Graphene 2020, topic: Mechanical Properties of Graphene- <b>INVITED PLENARY</b></li> <li>• Crete, IC4N, topic: Mechanical Properties of Graphene in Tension and Compression- <b>INVITED PLENARY</b></li> <li>• Cyprus, 27 Sol.State Phys.&amp; Mater. Sci.Conf., topic: Mechanical Deformation of Graphenes and Graphene-based Nanocomposites- <b>INVITED PLENARY</b></li> <li>• Imagine Nano - Graphene Conference, Bilbao, Spain, "Bilayer graphene under uniaxial tension: A Raman study".</li> <li>• Imagine Nano - Graphene Conference, Bilbao, Spain "Deformation of graphene in tension and compression".</li> <li>• 25th International Winterschool , Kirchberg, Tirol, Austria, "Raman 2D-peak splitting in graphene: theory and experiment".</li> <li>• 12<sup>th</sup> International Conference on the Science and Application of Nanotubes "NT11", Cambridge, U.K., "Mono- and few-layer graphene sheets in binary solvent mixtures"</li> </ul>
2010	<ul style="list-style-type: none"> <li>• ECNP, Madrid, topic: Mechanical Behaviour of Monolayer Graphene and Nanocomposites- <b>INVITED PLENARY</b></li> <li>• Polymer Fibre, Edinburgh, UK, topic: Seeing carbon fibres through graphene</li> <li>• Micro&amp;Nano2010" Athens, Greece "Surface electronic properties of single-layer graphene films on Cu foil and SiO<sub>2</sub>/Si substrates"</li> <li>• Micro&amp;Nano2010" Athens, Greece, "Graphene monolayers under tension and compression"</li> <li>• (Biotargeting), Patras, Greece, "Mechanical deformation of graphene and graphene/ polymer nanocomposites"</li> <li>• H-POL8 Hersonissos, Crete, Greece, "Nanostructured linear and star block copolymers and terpolymers based on polystyrene under tension and compression: Tailoring of molecular parameters to mechanical behavior"</li> <li>• (FSAS 2010), Hersonissos, Crete, Greece "Raman Study of Graphene Monolayer under Tensile and Compressive Loading" - <b>INVITED PLENARY</b></li> <li>• Annual World Conference on Carbon by the American Carbon Society, Clemson, South Carolina, USA: "Graphene Under Uniaxial Strain: A Raman Study"</li> <li>• Polymer Fibres 2010, Edinburgh, Scotland, UK "Seeing carbon fibres through graphene: a new perspective for the development of stress sensors"- <b>INVITED PLENARY</b></li> </ul>

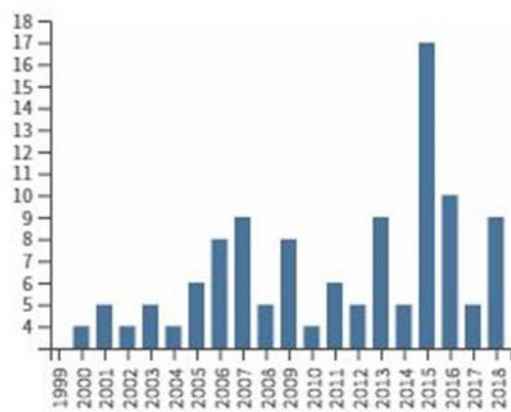
	<ul style="list-style-type: none"> <li>• 6th International ECNP Conference on NANOSTRUCTURED POLYMERS and NANOCOMPOSITES, Madrid, Spain, “Mechanical Behaviour of Monolayer Graphene and Graphene-based Nanocomposites”- <b>INVITED PLENARY</b></li> <li>• 24th International Winterschool , Kirchberg, Tirol, Austria, “Compression Behavior of Single-layer Graphene”.</li> <li>• 3<sup>rd</sup> International Symposium on Transparent Conductive Materials, Heraklion, Greece, “Surface electronic properties of graphene films: An XPS, UPS and EELS study”</li> <li>• 8th Hellenic Polymer Society Symposium, Heraklion, Greece, “Fabrication and characterization of polymer nanocomposites based on carbon nanotube films”</li> <li>• 4<sup>th</sup> International Conference on Micro-Nanoelectronics, Nanotechnologies &amp; MEMS, Athens, Greece, “Carbon nanotube/polymer composite films by Resin Film Infusion method”</li> </ul>
2009	<ul style="list-style-type: none"> <li>• Cnano’09, Santorini, “Mechanical deformation of graphene: A Raman study”</li> <li>• Cnano’09, Santorini, “Tensile properties of graphene oxide tapes”</li> <li>• Cnano’09, Santorini, “Controlled dispersion of carbon nanotubes by amphiphilic polyelectrolytes”</li> <li>• Cnano’09, Santorini, “Polymer nanocomposites based on carbon nanotube films” - <b>INVITED PLENARY</b></li> <li>• ICCM-17, Edinburgh, “Polymer nanocomposites based on CNT buckypapers”</li> <li>• 5th International ECNP Conference on NANOSTRUCTURED POLYMERS and NANOCOMPOSITES, Paris , France, “Synthesized linear and star block copolymers and terpolymers based on Polystyrene under tension and compression: Tailoring of molecular parameters to mechanical behaviour”</li> <li>• 5th International ECNP Conference on NANOSTRUCTURED POLYMERS and NANOCOMPOSITES, Paris , France, “Graphene nanocomposite under tension and compression: Investigation of the 2D Raman band” - <b>INVITED PLENARY</b></li> </ul>
2008	<ul style="list-style-type: none"> <li>• Nanofun, Alicante, Spain, topic: Nanocomposites- <b>INVITED PLENARY</b></li> <li>• Polymers Fibres-International, Manchester, “Stress sensing in smart composites”.</li> <li>• Nanofun-International, Alicante, Spain, “Block Copolymers”</li> </ul>
2007	<ul style="list-style-type: none"> <li>• NANOCONF-International, Corfu, Greece</li> <li>• EUROMAT-International, Nuremberg, Germany</li> </ul>
2006	<ul style="list-style-type: none"> <li>• Nanofun-International, San Sebastian, “Block Copolymers” - <b>INVITED PLENARY</b></li> <li>• ECCM 12-International, Biarritz, France</li> <li>• 16th European Conference on Fracture- International, Alexandroupolis, Greece</li> <li>• MCM-International, Riga, Latvia</li> </ul>
2005	<ul style="list-style-type: none"> <li>• Conf. on Micromechanics and Microstructure Evolution-International, Madrid, Spain</li> <li>• IIMM’05-International, Lyon, France, “Adaptive Composites”</li> </ul>
2004	<ul style="list-style-type: none"> <li>• ECCM 11-International, Rhodes, Greece</li> </ul>
2002	<ul style="list-style-type: none"> <li>• ECCM 10-International, Brugge, Belgium, “Interface -Smart composites”</li> </ul>
2001	<ul style="list-style-type: none"> <li>• SIC- Capri- Italy, topic: Damage monitoring with Raman spectroscopy</li> <li>• Structural Integrity of Composites- International, Capri- Italy, “-Damage monitoring with Raman spectroscopy”- <b>INVITED PLENARY</b></li> <li>• IPCM-2001/ International, Bordeaux-France, “Smart Composites –Interfaces – Fatigue”</li> </ul>
2000	<ul style="list-style-type: none"> <li>• ECCM9- International, Brighton (UK), “SMA composites –Fatigue -Angle Ply composites”</li> <li>• Composites Gordon Conf- International, Ventura, CA (USA), “SMA composites” - <b>INVITED PLENARY</b></li> </ul>
1999	<ul style="list-style-type: none"> <li>• ICCM-12- International, Paris, France, “Interface”</li> </ul>
1998	<ul style="list-style-type: none"> <li>• 5th Mechanics Conference, Ioannina, Greece, ‘Smart’ Measurements</li> </ul>

	<ul style="list-style-type: none"> <li>• ECCM8-International, Napoli, Italy, "Non-destructive testing of composites"</li> <li>• ICCI-7- International, Shonan, Japan, "Interfacial Micromechanics"</li> </ul>
1997	<ul style="list-style-type: none"> <li>• Gordon conference on composites- International, Ventura, CA (USA), "Micromechanics of Composites" - <b>INVITED PLENARY</b></li> <li>• Hellenic Federation of Polymers, Patras, Greece, "Syndiotactic Polystyrene"</li> <li>• IPCM'97- International, Eger, Hungary, "Fracture Characteristics of Composites"</li> </ul>
1996	<ul style="list-style-type: none"> <li>• European Polymer Federation'96- Conference, Crete, Greece, "Structure-Property Relations in Polymers"</li> <li>• 3rd European Conf. on Smart Structures and Materials- International Lyon, France, "Smart sensing in composites"</li> <li>• SIDCOMP-96, Pitea, Sweden, "Micromechanics"</li> <li>• ICCI-6-, International, Israel, "Composite Interfaces"</li> <li>• Composite Gordon Conference-, International, Ventura, CA, US, "Stress measurement in Composites" - <b>INVITED PLENARY</b></li> </ul>
1995	<ul style="list-style-type: none"> <li>• COMP'95- International, Corfu, Greece, "Micromechanics"</li> <li>• IPCM'95-International, Eindhoven, "Composite Interfaces" - <b>INVITED PLENARY</b></li> <li>• Polymer Physics '95, Leeds, UK, "Polymer Fibres"</li> <li>• 4th Mechanics Conf., Xanthi, Greece, "Stress transfer" - <b>INVITED PLENARY</b></li> <li>• D&amp;FC-International, Surrey, UK, "Multifibre composites/ Instrumentation"</li> </ul>
1994	<ul style="list-style-type: none"> <li>• Fiber Soc.- International, Atlanta, Georgia, "Fibres"</li> <li>• ASTM- International, Phoenix, USA, "Fracture and interfaces" - <b>INVITED PLENARY</b></li> <li>• MCM-II-International, Oxford, UK, "LRS on Composites"</li> </ul>
1993	<ul style="list-style-type: none"> <li>• ECCM6-International, Bordeaux, France, "Interfaces"</li> <li>• IPCM93-International, Cambridge, UK, "Interfaces"</li> <li>• The Polymer Conf.-International, Cambridge, UK, "Polymer composites"</li> <li>• Gordon Conf.-Intern., New Hamps.,USA, "Fibres"</li> <li>• D&amp;FC-International, Manchester, "Stress-conc.in composites- Interfaces"</li> </ul>
1992	<ul style="list-style-type: none"> <li>• PEG-National, Loughborough, "Strain Mapping"</li> <li>• Microphenomena in Composites-International, Herzlia, Israel, "Interfaces"</li> <li>• ICCI4-International, Cleveland, USA, "Interfaces"</li> <li>• ECCM5-International, Bordeaux, France, "Interfaces" - <b>INVITED PLENARY</b></li> <li>• FRC'92-International, Newcastle, UK, "Thermal Stresses"</li> </ul>
1991	<ul style="list-style-type: none"> <li>• IPCM91-International, Leuven, Belgium, "Interfaces"</li> <li>• Pol. Phys-National, Leeds, UK, "Pol. Fibres"</li> <li>• DFC91-International, Manchester, UK, "Strain mapping"</li> <li>• Gordon Conf.-Intern., New Hamps.,USA, "Fibres"</li> </ul>
1990	<ul style="list-style-type: none"> <li>• FRC90-National, Liverpool, UK, "Compression"</li> <li>• BCS90-National, Bath, UK, "Interfaces" - <b>INVITED PLENARY</b></li> <li>• ECCM4-International, Stuttgart, FRG, "Fibres/ Interfaces"</li> <li>• Comp90-International, Patras, Greece, "Raman on Comp."</li> <li>• Spec.Pol-International, Baltimore, USA, "Pol. Fibres"</li> <li>• ASC90-International, Lansing, USA, "Interfaces"</li> </ul>
1989	<ul style="list-style-type: none"> <li>• IPCM89-International, Sheffield, UK, "Interfaces"</li> <li>• Pol. Phys-National, Reading, UK, "Compression"</li> <li>• ECCM3-International, Bordeaux, France, "Composites"</li> </ul>
1988	<ul style="list-style-type: none"> <li>• Comp88-International, Patras, Greece, "NDT"</li> <li>• ICCI2-International, Cleveland, USA, "Interfaces"</li> </ul>
1987	<ul style="list-style-type: none"> <li>• ComSym-International, Zaragoza, Spain, "New Fibres"</li> <li>• Polym. Physics, Reading, UK, "Raman Spectr."</li> <li>• ICCM-7-International, London, UK, "NDT"</li> </ul>

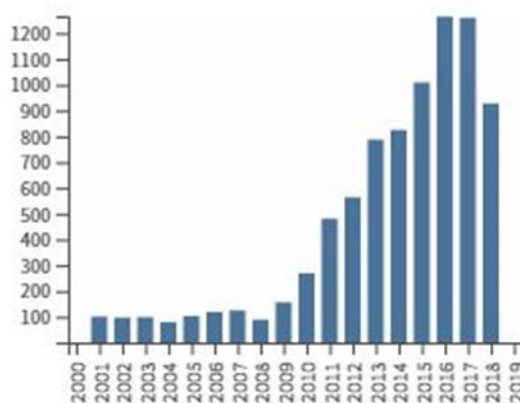
1986	• Comp86-International, Patras, Greece, “Kevlar Comp.”
1985	• Churchill-National, Cambridge, UK, “Polydiacetylenes”
1983	• Pol. Phys-National, Reading, UK, “Fibres”

## ΠΑΡΑΡΤΗΜΑ V (Web-of-Science)

PUBLICATIONS PER YEAR (LAST 20 YEARS)



CITATIONS PER YEAR (LAST 20 YEARS)



## ΠΑΡΑΡΤΗΜΑ VI

### Κεφάλαια σε Βιβλία

- “Characterization of Graphene Flexible Materials and Displays” in “Flexible Carbon-based Electronics”, by George Anagnostopoulos, John Parthenios, Konstantinos Papagelis and Costas Galiotis, Chapter 7, pp. 207-222, ISBN: 978-3-527-34191-7. Publisher : Wiley-VCH Verlag GmbH & Co, 2018, doi:10.1002/9783527804894.ch7 (2018)
- “Chemical and Optical Aspects of Supported Graphene” in “Graphene Science Handbook: Electrical and Optical Properties” by D.Tasis, C.Galiotis, and K.Papagelis, Taylor & Francis Co, New York, USA pp. 381-392 (2016).
- “Stress/Strain Measurements in Fibers and Composites Using Raman Spectroscopy” in “Vibrational Spectroscopy of Biological and Polymeric Materials” by C. Galiotis, J. Parthenios, V.G. Gregoriou and M. Braiman, Taylor & Francis Co, New York, USA pp.35-98, (2005).
- “Interfacial damage modelling of composites”, by C. Galiotis and A. Paipetis, in “Multi-Scale Modelling of Composite Materials” by C. Soutis and P. Beaumont, Woodhead Publishing Ltd., pp. 33-64 (2005).
- “The effect of interface on the fatigue performance of fibre composites” by C. Galiotis and C. Koimtzoglou, Ed. B. Harris, Woodhead Publishing Ltd. in “Fatigue in Composite Materials: A Review of the Science and Technology of the Fatigue Response of Fibre-Reinforced Plastics”, pp. 147-172 (2003).
- “In Situ Assessment of the Micromechanics of Large Scale Bridging in Ceramic Composites”, in “Recent Advances in Composite Materials”, by K. G. Dassios, C. Galiotis, V. Kostopoulos and M. Steen, Kluwer Academic Publishers USA, pp. 71-79 (2003).

3. "Strain Redistribution in Composite Laminates resulting from off axis ply cracking" in *"Recent Advances in Composite Materials"* by D.G. Katerelos, J. Parthenios and C. Galiotis, Ed. E.E. Gdoutos and Z. Margioli, Riga, Kluwer Academic Publ., USA pp. 139-150 (2003).
2. "Micromechanics of Reinforcement using Laser Raman Spectroscopy" in *"Microstructural Characterisation of Fibre-Reinforced Composites"*, by C. Galiotis, J. Summerscales, Woodhead Publishing Ltd., Cambridge, England, pp. 224-253 (1998).
1. "The Mechanical Properties of Polypyrrole Plates" in *"Electronic Properties of Polymers and Related Compounds"* by D. Bloor, R. D. Hercliffe, C. Galiotis and R. J. Young, , Springer Series in Solid-State Sciences edited by H. Kuzmany, A. Metring and R. S. Roth. **63** p. 179 (1985).

## **ΠΑΡΑΡΤΗΜΑ VII**

### **ΜΟΝΟΓΡΑΦΙΕΣ (κατόπιν πρόσκλησης)**

- 3 *"Stress-Transfer Characteristics in Model Composites"* by C. Galiotis, *Composite Interfaces*, **1/4**, 321-336, (1993).
- 2 *"A Study of Mechanisms of Stress-Transfer in Continuous and Discontinuous Fibre Model Composites Using Laser Raman Spectroscopy"* by, C. Galiotis, *Composites Science & Technology*, **48** 15-28, (1993).
- 1 *"Interfacial Studies on Model Composites Using Laser Raman Spectroscopy"* by C. Galiotis, *Composites Science and Technology*, **42** 125-150, (1991).

## **ΠΑΡΑΡΤΗΜΑ VIII**

### **ΑΡΘΡΑ ΑΝΑΣΚΟΠΗΣΗΣ (REFEREED)**

- 3 *"Carbon Nanotube-Polymer Composites: Chemistry, Processing, Mechanical and Electrical Properties"* by Z. Spitalsky, D. Tasis, K. Papagelis, C. Galiotis, *Progress in Polymer Science*, 357-401: **35/3**, 2010.
- 2 *"A Review of the Fundamentals and Applications of LRS Microprobe Strain Measurements"* by L. Schadler and C. Galiotis, *International Materials Reviews*, 116-134: **40/3**, 1995.
- 1 *"Laser Raman Spectroscopy; A New Stress/Strain Measurement Technique for the Remote and On-Line Non-Destructive Inspection of Fibre-Reinforced Polymer Composites"* by C. Galiotis, *Materials Technology*, 203-209: **9/10**, 1993.

## ΠΑΡΑΡΤΗΜΑ ΙΧ

### Δημοσιεύσεις σε Διεθνή Περιοδικά

- 190 *“Non-Eulerian behavior of graphitic materials under compression”* by Androulidakis Ch, Koukaras E, Hadjinicolaou M, Galiotis C. CARBON Volume: 138 Pages: 227-233 DOI: 10.1016/j.carbon.2018.06.011 Published:NOV 2018
- 189 *“A mechanical system for tensile testing of supported films at the nanoscale”* by Pantano Maria, Speranza Giorgio, Galiotis Costas, Pugno Nicola.NANOTECHNOLOGY Volume: 29 Article Number: 395707 DOI: 10.1088/1361-6528/aacf50 Published:SEP 28 2018
- 188 *“Controllable, eco-friendly, synthesis of highly crystalline 2D-MoS<sub>2</sub> and clarification of the role of growth-induced strain”* by Michail Antonios, Parthenios John, Anestopoulos Dimitris, Galiotis Costas, Christian Meganne, Ortolani Luca, Morandi Vittorio, Papagelis Konstantinos. 2D MATERIALS Volume: 5 Article Number: 035035 DOI: 10.1088/2053-1583/aac610
- 187 *“Strained hexagonal boron nitride: Phonon shift and Gruneisen parameter”* by Androulidakis Ch, Koukaras E, Poss M, Papagelis K, Galiotis C, Tawfick S. PHYSICAL REVIEW B Volume: 97 Article Number: 241414 DOI: 10.1103/PhysRevB.97.241414 Published:JUN 29 2018
- 186 *“Compressive response and buckling of graphene nanoribbons”* by Sgouros A, Kalosakas G, Papagelis K, Galiotis C.SCIENTIFIC REPORTS Volume: 8 Article Number: 9593 DOI: 10.1038/s41598-018-27808-0 Published: JUN 25 2018
- 185 *“A novel mild method for surface treatment of carbon fibres in epoxy-matrix composites”* by Koutroumanis Nikos, Manikas, Anastasios C., Pappas Panagiotis-Nektarios, Petropoulos Faidonas, Sygellou Lamprini, Tasis Dimitrios, Papagelis Kostas, Anagnostopoulos George, Galiotis Costas. COMPOSITES SCIENCE AND TECHNOLOGY Volume: 157 Pages: 178-184 DOI: 10.1016/j.compscitech.2018.01.048 Published: MAR 22 2018
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## **ΠΑΡΑΡΤΗΜΑ Χ**

### **Δημοσιεύσεις σε πρακτικά συνεδρίων με κριτές**

- 51 *“Overview of Graphene Polymer Composites with emphasis on current developments”*, Costas Galiotis, ECCM18, Athens, Greece 24-28<sup>th</sup> June 2018
- 50 *“Multi-functional CVD graphene/polymer nanolaminates”*, Costas Galiotis, Christos Pavlou, Maria Giovanna Pastore Carbone, Anastasios Manikas, George Trakakis and Amaia Zurutuza, Imagine Nano 2018, Bilbao, Spain, March 13-16 2018
- 49 *“Multi-functional graphene/polymer nanocomposites”*, Costas Galiotis, 12th Hellenic Polymer Society International Conference, Ioannina, Greece, November 2018

- 48 "Development of multi-functional macro-scale CVD graphene/polymer nanolaminates", Christos Pavlou, Maria Giovanna Pastore Carbone, Anastasios C. Manikas, George Trakakis and Costas Galiotis, Graphene Week 2018, San Sebastian 10-14 September 2018
- 47 "Out-of-plane phenomena and fracture of graphene/polymer systems", Maria Giovanna Pastore Carbone, Anastasios Manikas, Ioanna Souli and Costas Galiotis, Graphene Week 2018, San Sebastian 10-14 September 2018
- 46 "CVD graphene treatment with metal-chlorides for transparent heating devices", G. Paterakis, G. Anagnostopoulos and C. Galiotis, Graphene Week 2018, San Sebastian 10-14 September 2018, (poster presentation)
- 45 "Exploiting residual mechanical strain in CVD grown two-dimensional MoS<sub>2</sub> crystals", Antonios Michail, Dimitris Anastopoulos, Labrini Sygellou, John Parthenios, Costas Galiotis, Meganne Christian, Luca Ortolani, Vittorio Morandi, Konstantinos Papagelis, Graphene 2018 Dresden, Germany, 26-29<sup>th</sup> June 2018
- 44 "Interface investigation of CFRP and CFR hybrid polymer composites", Nikos Koutroumanis, Anastasios C. Manikas, Panagiotis Nektarios Pappas and Costas Galiotis, ECCM18 - 18<sup>th</sup> European Conference on Composite Materials, Athens, Greece, 24-28<sup>th</sup> June 2018, (poster presentation)
- 43 "Development of graphene-based elastomer composites for improved mechanical and electrical properties", M.G. Pastore Carbone, K.D. Papadimitriou, J. Gigante, A.C. Manikas, G. Trakakis, G.N. Tomara, S.N. Georga, C.A. Krontiras, C. Galiotis, ECCM18 - 18<sup>th</sup> European Conference on Composite Materials, Athens, Greece, 24-28<sup>th</sup> June 2018, (poster presentation)
- 42 "Production and mechanical deformation of two-dimensional MoS<sub>2</sub> and WS<sub>2</sub> crystals", A. Michail, D. Anastopoulos, S. Grammatikopoulos, C. Galiotis, J. Parthenios and K. Papagelis, 3rd WORKSHOP of GRADUATES and POSTDOCS in CHEMICAL ENGINEERING SCIENCES, Patras, October 4 2017
- 41 "Graphene as a heating element in commercial devices; the case of a graphene-based waist protector", G. Anagnostopoulos, E. Treossi, J. Parthenios, K. Papagelis, V. Palermo and C. Galiotis, GRAPHENE WEEK 2017, 25-29 September (2017), Athens, Greece, (poster presentation)
- 40 "On the Mechanical Response of Graphene Ribbons Under Strain", E. N. Koukaras, Ch. Androulidakis, M. Hadjinicolaou, and C. Galiotis, GRAPHENE WEEK 2017, 25-29 September (2017), Athens, Greece, (poster presentation)
- 39 "Development of graphene/elastomer nanocomposites", K. D. Papadimitriou, M.G. Pastore Carbone, G. Trakakis, A.C. Manikas, G.N. Tomara, S.N. Georga, C.A. Krontiras, C. Galiotis, 11th Panhellenic Scientific Conference of Chemical Engineering, Thessaloniki, 25-27 May 2017, (poster presentation)
- 38 "Synthesis and Spectroscopic study of MoS<sub>2</sub> crystals", A. Michail, D. Anastopoulos, N. Delikoukos, J. Parthenios, C. Galiotis and K. Papagelis, 11th Chemical Engineering Conference, 25-27 May (2017), Thessaloniki, Greece
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