PROGRAMME

The conference/MP1206 final MC meeting will take place at the New University Campus, (1 Panepistimiou Avenue 2109 Aglantzia, Nicosia. P.O. Box 20537, 1678 Nicosia, Cyprus)

Wednesday 19th April				
08.00-	Registration			
Session A (Building: ΧΩΔ02, Room B205) Chair: T. Krasia-Chistoforou				
9.00-9.10	Welcome and Opening Remarks			
9.10-9.50	**PLENARY**	**G. L. Bowlin** Electrospun Templates: Designing Tools for Directing Endogenous Tissue Regeneration		
9.50-10.30	**PLENARY**	**E. Zussman** Mechanical Stress Induced Drug Delivery from Nanofibers		
10.30-11.00	**Coffee Break**			
Session B1 Energy, sensors and actuators (ΧΩΔ02, B205) Chair: S. Cavaliere			**Session C1 Biomedical applications (ΧΩΔ02, B204) Chair: E. Kijeńska**	
11.00-11.25	**INV1**	**Y. Truong** Electrospun nanofibre membranes for energy and biomaterial applications	**INV7**	**A.Jedlovszky-Hajdú** Creating silver loaded artificial matrix for biomedical applications
11.25-11.50	**INV2**	**A. Macagnano** CdSe/ZnS-TiO_2 nanofibers: A suitable combination for a low cost and effective sensor device	**INV8**	**B. Mijovic** Electrospun composite scaffolds for occular tissue regeneration
11.50-12.15	**INV3**	**D. Pisignano** Enhanced photon couplingand transport properties in electrospun nanowires	**INV9**	**A. Odysseos** Tissue-Engineered Biomimetic Platforms for Signaling Analysis in the Tumor Microenvironment
12.15-12.40	**INV4**	**A. Camposeo** Controlling energy migration and emission properties in semiconducting electrospun polymer fibers	**INV10**	**M. Järvekülg** 3D scaffolds from electrospun gelatin
12.40-12.55	**O1**	**L. Lozzi** Near-field electrospinning: an easy method to grow nano-structured systems	**O5**	**A. Rinaldi** Statistical methods for the design of scaffolds for tissue engineering and cell culturing
13:00-14:30	**Lunch**			
Session B2 Energy, sensors and actuators (ΧΩΔ02, B205) Chair: D. Pisignano			**Session C2 Biomedical applications (ΧΩΔ02, B204) Chair: A.Jedlovszky-Hajdú**	
14.30-14.55	**INV5**	**S. Cavaliere** Nanocomposite membranes based on electrospun nanofibers	**INV11**	**R.Machado** Electrospun silk-elastin fibres functionalized with silver nanoparticles as antibacterial wound dressings

14.55-15.20	**INV6**	**L. Persano** Piezoelectricity in electrospun polymer nanofibers: Fundamental phenomena and applications	**INV12**	**E. Kijeńska** NGF loaded bio-composite scaffolds for peripheral nerve tissue regeneration
15.20-15.35	**O2**	**K. Polak-Krasna** Electrospinning of polymer of intrinsic microporosity for hydrogen storage applications	**O6**	**A. Da Costa** Antibacterial protein-based fibres: combining recombinant DNA technology with electrospinning
15.35-15.50	**O3**	**T.Tätte** Self-formed metal oxide ceramic microtubes and their applications	**O7**	**C. Voniatis** Prospects of poly(vinyl)alcohol scaffolds in abdominal hernia treatment. A study of bio-adaptability in small animals
15. 50-16.05	**O4**	**W. Woon-Fong Leung** Light harvesting in dye sensitized solar cell based on co-sensitizer in core-shell nanofiber configuration reducing charge recombination	**O8**	**M. Kruse** Electro-spun sPEEK Membranes for Oxygenation Applications
16.05-16.20			**O9**	**P. Sajkiewicz** The effect of a solvent on structure, biodegradability and cellular response of electrospun PCL/gelatin and PCL/collagen nanofibers
16.20-16.35			**O10**	**I. Wimpenny** Co-electrospun biomimetic grafts for regeneration of axons in CNS
16.35-16.50			**O11**	**L. Zajíćková** Electrospun PCL/PEG nanofibers with varied biodegradability coated by bioactive amine plasma polymers
17:00-20:00	**Poster and photo competition sessions/cocktail buffet** **Social Activities Building, Room 010**			

Thursday 20th April / MP1206 COST Session				
Session D (Building: ΧΩΔ02, Room B205) Chair: T. Krasia-Chistoforou				
9.00-9.40	**PLENARY**		**W. Sigmund** Functional Nanomaterials via Electrospinning	
9.40-10.05	**INV13**		**S. Agarwal** Fibers with special morphologies by electrospinning	
10.05-10.30	**Coffee Break**			
Session E1 Processing, morphology control and applications (ΧΩΔ02, B205) Chair: A. Macagnano			**Session E2 Processing, morphology control and applications (ΧΩΔ02, B204) Chair: S. Agarwal**	
10.30-10.55	**INV14**	**K. De Clerck** Advanced colorimetric sensors based on dye-functionalized nanofibers	**INV18**	**J.M. Lagaron** Development and characterization of novel electrospun biopolyester coatings for barrier paper applications
10.55-11.20	**INV15**	**C. Adlhart** Amphiphilic ultralight 3D aerogels from electrospun nanofibers	**INV19**	**B. Pilić** Nanofiber based intelligent packaging
11.20-11.45	**INV16**	**P.D. Topham** Block copolymer self-assembly: Rinse-resistant superhydrophobic fabrics made using a combination of electrospinning and electrospraying	**INV20**	**T. Uyar** Decoration of metal nanoparticles (Pt-NP and Pd-NP) on electrospun nanofibers *via* atomic layer deposition for catalytic applications
11.45-12.10	**INV17**	**M.L.Focarete** Atmospheric pressure non-equilibrium plasma applied to electrospinning processes and products	**INV21**	**K. Pielichowski** Surface modification of polylactide by electrospinning of chitosan/nanosilica outer layers to improve flame retardant properties
12.10-12.25	**O12**	**I. Savva** Magnetoactive Electrospun fibers: Fabrication, characterization and applications	**O14**	**L. Daelemans** Nano-engineering highly toughened fibre reinforced polymer composites by interleaving electrospun nanofibres for advanced applications
12.25-12.40	**O13**	**N. Radacsi** Temperature effects on the fiber diameter during the fabrication of PVP and PVA nanofibers by needleless electrospinning	**O15**	**P.Heikkilä** Electrospun sheet materials from CA, PES and PLLA as supports for ALD coating
13:00-14:30	**Lunch**			

Session F1 Environmental and agricultural applications (ΧΩΔ02, B205) Chair: N. Radacsi			Session C3 Biomedical applications (ΧΩΔ02, B204) Chair: J.M. Lagaron	
14.30-14.55	**INV22**	**H.E. Hummel** Electrospun mesofibers in precision viticulture: A new alternative for dispensing sex pheromones in mating disruption schemes for IPM	**INV26**	**A. Greiner** Release of artemisone from electrospun nonwovens for the treatment of malaria
14.55-15.20	**INV23**	**F. De Cesare** Development of smart nanofibrous plant growth promoting rhizobacteria (PGPR) biofilms for agricultural applications	**INV27**	**S.K. Bhullar** Deformation mechanism of smart nanofibrous stents and drug delivery systems
15.20-15.45	**INV24**	**Y. Truong** Large scale preparation and characterization of electrospun carbon particle-nanofibre composites for ammonia adsorption	**INV28**	**U. Stachewicz** 3D analysis of cell responses to electrospun polymer nanofibers scaffolds
15.45-16.10	**INV25**	**M. Roso** Different strategies for enhancing the performance of TiO_2 based nanostructured membranes for VOCs abatement	**INV29**	**E. Kijeńska** PLLA and PCL-based electrospun scaffolds for tissue engineering applications: fabrication and biological characterization
16.10-16.25	**O16**	**Y. Truong** Preparation and characterisation of electrospun gelatin-saponin composite nanofibers	**O22**	**Ž. Rukuižienė** Electrospun web with baltic amber particles
16.25-16.40	**O17**	**M. Maryšková** Enzyme-loaded nanofibrous mats by electrospinning for biomedical and environmental applications	**O23**	**A.S. Sarac** Conductive polyanthranilic acid nanofibers
16.40-17.00	**Coffee Break**			
Session F2 **Environmental and agricultural applications (ΧΩΔ02, B205)** **Chair: K. De Clerck**			**Session C4** **Biomedical applications (ΧΩΔ02, B204)** **Chair: A. Greiner**	
17.00-17.15	**O18**	**P. Papaphilippou** Electrospun polymer-based fibrous membranes as adsorbents for bacteria and organic compounds removal from water contaminated media	**O24**	**S. Metwally** Production of charge induced nanofibres scaffolds
17.15-17.30	**O19**	**D.G. Ruzgar** Electrospinning of wool keratin/poly(ethylene oxide) blend nanofibers for air filtration application	**O25**	**P. Mikes** Complete analysis and comparison of poly(lactic acid-co-caprolactone) nanofibers for tissue engineering applications

17.30-17.45	**O20**	**G. Schlatter** Hierachical metal@carbon composite hairy nanofibers for catalytic applications	**O26**	**K. Molnár** Poly(amino acid) based nano gel fibers for tissue engineering
17.45-18.00	**O21**	**W. Woon-Fong Leung** Loading and Cleaning of Nanofiber Air Filter After Long-Term Use		
18.30: **19.30 -:**	**Transportation to the conference dinner venue** **Conference dinner**			

Friday 21st April / MP1206 COST Session (XΩΔ02, B205)		
9.30-11.30	**COST MP1206 Management Committee Meeting**	
Session C5 **Biomedical applications** **Chair: T. Krasia-Christoforou**		
11.30-11.45	**O27**	**J. E. ten Elshof** Sol-gel derived ceramic nanofibers and their applications in biomedical engineering and electronics
11.45-12.00	**O28**	**L. Liverani** Multilayered scaffolds and graded mineralization for osteochondral tissue engineering applications
12.00-12.15	**O29**	**M. Omastová** Conducting polycaprolactone/polypyrrole nanofiber mats prepared by electrospinning
12.15-12.30	**O30**	**I. Safarik** Magnetically-modified electrospun chitosan-based fibers: Fabrication, characterization and bioapplications
12.30-12.45	**O31**	**Š. Zupančič** Antimicrobial nanofibers for treatment of local infections
12.45-13.00	**Closing remarks**	
13.00-15.00	**Lunch**	

Saturday 22nd April
Post-Conference Social Programme: Post-conference Guided Tour Mountain villages on Troodos Mountains: Kakopetria, Troodos, Omodos (Optional)