

## CURRICULUM VITAE

Name: Pavel Pokorný  
Date of birth: 1.2.1961  
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### Education and academic degrees

Associate Professor habilitation program Textile Technology and Materials Engineering, Faculty of Textile Technology, Technical University of Liberec (TUL), Czech Republic, 2016  
Doctor, Ph.D., Technical Cybernetics, Faculty of Mechatronics, Informatics and Interdisciplinary Studies, Technical University of Liberec (TUL), Czech Republic, 2011  
Electromechanic of switchgear, field of study, Secondary Vocational School of Agriculture in Kroměříž, 1995-1996  
Engineer, Ing., Technology of leather, plastics and rubber, field of study Technology of footwear and haberdashery, Faculty of Technology, Brno University of Technology based in Zlín, Czech Republic, 1984

### Positions held

Associate Professor Department of Nonwovens and Nanofibrous Materials, Faculty of Textiles, Technical University of Liberec, Czech Republic, 2016 - present  
Academic staff with scientific degree Department of Nonwovens and Nanofibrous Materials, Faculty of Textiles, Technical University of Liberec, Czech Republic, 2015 - 2016  
Researcher Department of Nonwovens and Nanofibrous Materials, Faculty of Textiles, Technical University of Liberec, Czech Republic, 2012 - 2015  
Technician and Ph.D. student Department of Nonwovens and Nanofibrous Materials, Faculty of Textile, Technical University of Liberec, Czech Republic, 2005 - 2012  
Head of the Defense Department, Prostějov Municipal Office, Czech Republic, 2003 - 2005  
Employee of the Department of Defense and Protection, District Office in Prostějov, Czech Republic, 1999 - 2003  
Development worker Gala, a.s., Prostějov, Czech Republic, 1994 - 1999  
Chief Technologist GM Vyškov Vyškov, Czech Republic, 1993 - 1994  
Development worker Gala, a.s., Prostějov, Czech Republic, 1984 - 1993

### Selected publications for the last five years

h-index 7 SCOPUS, 6 WoS

Valtera, Jan.; Kalous, Tomas; Pokorny, Pavel; et al.: Fabrication of dual-functional composite yarns with a nanofibrous envelope using high throughput AC needleless and collectorless electrospinning, SCIENTIFIC REPORTS Volume: 9 Article Number: 1801 Published: FEB 12 2019

Vyslouzilova, Lucie; Buzgo, Matej; Pokorny, Pavel; et al.: Needleless coaxial electrospinning: A novel approach to mass production of coaxial nanofibers, INTERNATIONAL JOURNAL OF PHARMACEUTICS Volume: 516 Issue: 1-2 Pages: 293-300 Published: JAN 10 2017

Stanishevsky, Andrei; Brayer, W. Anthony; Pokorny, Pavel; et al.: Nanofibrous alumina structures fabricated using high-yield alternating current electrospinning, CERAMICS INTERNATIONAL Volume: 42 Issue: 15 Pages: 17154-17161 Published: NOV 15 2016

Pokorny P.; Kalous T.; Mikes P.; et al. Preparation of composite nanofibers containing solid

particles Book Group Author (s): TANGER Conference: 6th NANOCON International Conference Location: Brno, CZECH REPUBLIC Date: NOV 05-07, 2014, Sponsor (s): TANGER Ltd; Czech Soc New Mat & Technologies; Reg Ctr Adv Technologies & Mat; Mat Res Soc Serbia; Norwegian Material Technical Society NANOCON 2014, 6TH INTERNATIONAL CONFERENCE Pages: 798-801 Published: 2015

Pokorny, P .; Kostakova, E .; Sanetnik, F .; Lukas, D et al., Effective AC needleless and collectorless electrospinning for yarn production, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 16 (48), pp. 26816-26822, 2014, IF = 4.198.

Kostakova, E .; Seps, M .; Pokorny, P., Lukas, D; et al., Study of polycaprolactone wet electrospinning process, EXPRESS POLYMER LETTERS, 8 (8) pp. 554-564, 2014, IF = 2.953.

Kostakova E. Gregr J. Meszaros L. Chotebor M. Nagy Z. Pokorny P. Lukas D: Laboratory synthesis of carbon nanostructured materials using natural gas, MATERIALS LETTERS, 79, pp. 35-38, 2012, DOI: 10.1016 / j.matlet.2012.03.101, ISSN: 0167-577X, IF = 2.3

Lukas D .; Mikes P .; Pokorny P .; Electrospinning as an X-ray source, Conference: 241st National Meeting and Exposition of the American-Chemical society (ACS), Location: Anaheim, CA Date: MAR 27-31, 2011, Sponsor (s): Amer Chem Soc, ABSTRACT OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, Volume: 241, Meeting Abstract: 73-COLL, Published: MAR 27 2011

#### Participation in other grants and projects

##### Co-researcher:

TA CR: TA04010237. 2014-2016. Research and development of the use of nanomaterials in the production of balls. Subsidy TUL 2 718 ths. CZK. The main researcher GALA a.s. Ing. Ivan Dostál. Co-researcher: Technical University of Liberec, Ing. Pavel Pokorny, Ph.D.  
<http://www.isvav.cz/projectDetail.do?rowId=TA04010237>

MVČR VI20172020059, 2017-2020 Intelligent textiles against CBRN substances, recipient State Institute of Nuclear, Chemical and Biological Protection, v.v.i., co-recipient Technical University of Liberec, doc. Ing. Pavel Pokorny, Ph.D.

##### Member of the research team:

TA CR: TA 03010609. 2013-2015. Nanofibers and abrasive nanoparticles as the basis of a new generation of tools for very fine surface polishing.  
<http://www.isvav.cz/projectDetail.do?rowId=TA03010609>

GA CR: P208 / 12