

G – Personální zabezpečení – přednášející, školitel nebo člen oborové rady						
Název VŠ / součásti	Technická univerzita v Liberci					
Název SP / SO	Nanotechnologie					
Jméno a příjmení	Rajesh Mishra			tituly	doc., B.Tech, Ph.D.	
Rok narození	1977	typ a rozsah prac. vztahu na VŠ		pracovní smlouva 100%	do kdy	28. 2. 2021
Přednášející	ano	školitel	ano	člen oborové rady		ne
Další současní zaměstnavatelé			typ prac. vztahu		rozsah	
Přednášky v předmětech příslušného studijního programu						
Nanocomposites						
Údaje o oboru vzdělání na VŠ a o praxi od absolvování vysoké školy						
2013 docent, habilitovaný pro obor textile technique and material engineering 2006 PhD. On design engineering of woven fabrics from IIT Delhi, India 1998 B.Tech with honors from Utkal University, India 2013- docent in Department of material engineering., Faculty of Textile, TU Liberec 2009 – 2013 Employee at FT, TU Liberec 2008-2009 Assistant professor at MD University, India 2006-2008 R&D manager at Arvind Denim Mills, India 2002-2006 Research Associate, IIT Delhi, India 1998-2002- Lecturer at Utkal University, India						
Přehled o nejvýznamnější publikační a další tvůrčí činnosti za posledních 5 let						
R. Mishra, J. Militky, V. Baheti, J. Huang, B. Kale, M. Venkataraman, V. Bele, V. Arumugam, G. Zhu and Y. Wang, The production, characterization and applications of nanoparticles in the textile industry, Textile Progress, Vol. 46, No. 2, June 2014, 133 - 226, Taylor& Francis Progress in fibrous material science, ISBN 978-80-87269-40-4, 2014						

Pokročilé materiály pro bariérové a funkční vlákenné systémy, ISBN 978-80-7494-030-9, 2013

Selected properties of functional materials, ISBN 978-80-87269-28-2, 2013

Selected topics of textile and material science, ISBN 978-80-261-0062-1, 2012

Vijay Kumar Baheti, Salman Naeem, Jiří Militký, Rajesh Mishra, Blanka Tomková and Dana Křemenáková, Activated carbon nanoparticles from acrylic fiber waste. Progress in fibrous material science, ISBN 978-80-87269-40-4, 2014

Mohanapriya Venkataraman, Rajesh Mishra, Dana Křemenáková, Jiří Militký, T. M. Kotresh, Srabani Misra and Veerakumar Arumugam, Advanced fibrous materials for thermal insulation-I, Progress in fibrous material science, ISBN 978-80-87269-40-4, 2014

Mohanapriya Venkataraman, Rajesh Mishra, Dana Křemenáková, Jiří Militký, T. M. Kotresh, Srabani Misra and Veerakumar Arumugam, Advanced fibrous materials for thermal insulation-II, Progress in fibrous material science, ISBN 978-80-87269-40-4, 2014

Mohanapriya Venkataraman, Rajesh Mishra, Dana Křemenáková, Jiří Militký, T. M. Kotresh and Veerakumar Arumugam, Performance of aerogel treated blankets under extreme temperatures, Progress in fibrous material science, ISBN 978-80-87269-40-4, 2014

Vijay Baheti, Rajesh Mishra, & Jiri Militky, Influence of filling wet milled fly ash on functional properties of glass fabric / epoxy composites, Selected properties of functional materials, ISBN 978-80-87269-28-2, 2013

Rajesh Mishra, Richa Tiwari, Vijay Baheti & Jiri Militky, Effect of TiO₂ nanoparticles on basalt/polysiloxane composites: mechanical and thermal characterization, Selected properties of functional materials, ISBN 978-80-87269-28-2, 2013

Mohanapriya Venkataraman, Rajesh Mishra, Hafsa Jamshaid, Dana Kremenakova & Jiri Militky, Aerogels: novel materials for insulative textiles, Selected properties of functional materials, ISBN 978-80-87269-28-2, 2013

Mohanapriya Venkataraman, Rajesh Mishra, Hafsa Jamshaid, Dana Kremenakova & Jiri Militky, Aerogel based insulation materials: characterization of thermal, Electrical and electromagnetic behavior, Selected properties of functional materials, ISBN 978-80-87269-28-2, 2013

Rajesh Mishra, Hafsa Jamshaid, Mohanapriya Venkataraman, Photoilluminance of different woven structures by treatment with phosphorescent pigment, Selected properties of functional materials, ISBN 978-80-87269-28-2, 2013

Rajesh Mishra, Jiri Militky, B K Behera & Dana Kremenakova, Functional characterization of 3D woven nanocomposites, In book - Selected topics of textile

and material science, ISBN 978-80-261-0062-1, 2012

Mohanapriya Venkataraman, Rajesh Mishra, Darina Jasikova, T M Kotresh, Jiri Militky, Thermodynamics of aerogel treated nonwoven fabrics at subzero temperatures, Journal of Industrial Textiles, doi:10.1177/1528083714534711, 2014

Mohanapriya Venkataraman, Rajesh Mishra, Jakub Wiener, T M Kotresh, Jiri Militky, Miroslav Vaclavik, Novel techniques to analyze thermal performance of aerogel treated blankets under extreme temperatures, Journal of the Textile Institute, Accepted, June, <http://dx.doi.org/10.1080/00405000.2014.939808>, 2014

Rajesh Mishra, Vijay Baheti, B K Behera & Jiri Militky, Novelties of 3D woven composites and nanocomposites, Journal of the Textile Institute, Vol. 105, No. 1, 84-92, 2014

Vijay Baheti, Rajesh Mishra, B K Behera & Jiri Militky, Influence of noncellulosic contents on nano scale refinement of waste jute fibers for reinforcement in polylactic acid films, Fibers and Polymers, Volume 15, Issue 7, pp 1500-1506, 2014

Mohanapriya Venkataraman, Rajesh Mishra, Jiri Militky, Aerogel based nanoporous fibrous materials for thermal insulation, Fibers and Polymers, Vol 15, No. 7, pp. 1444-1449, 2014

Rajesh Mishra & Mohanapriya Venkataraman, Application of silver nanoparticles to industrial sewing threads: effects on physico-functional properties & seam efficiency, Fibers and Polymers, Vol.15, No.3, 510-518, 2014

Rajesh Mishra & Hafsa Jamshaid, Photoilluminance of different woven structures by treatment with phosphorescent pigment, Fibers and Polymers, Vol.15, No.5, 950-953, 2014

Rajesh Mishra, Impact tolerance of 3D woven nanocomposites: A simulation approach, Journal of the Textile Institute, Volume 104, No. 5, 562-570, 2013

Rajesh Mishra, Richa Tiwari, Miroslava Marsalkova, Jiri Militky & B K Behera, Effect of TiO₂ nanoparticles on Basalt/Polysiloxane composites: mechanical and thermal characterization, Journal of the Textile Institute, Volume 103, No. 12, 2012

Názvy disertačních prací, které vedl za posledních 5 let jako školitel

Mohanapriya Venkataraman: Thermal analysis of high performance insulation materials with aerogel (In progress: to be defended 2015)

Hafsa Jamshaid: Hybrid basalt woven fabric composites and nanocomposites (In progress: to be defended 2015)

Veerakumar Arumugam: Functional characteristics of 3D knitted spacer fabrics smogu (In progress)

Tao Wang: Acoustic properties of spacer fabrics (In progress)

Xiamon Xiong: Odous absorbing nanomaterials on fibrous surface (In progress)				
Vignesh Balaji: Biocomposites and nanocomposites from natural fibers (In progress)				
Působení v zahraničí				
2007-2008- Stay in Shinshu university, JAPAN				
2008-2009 Assistant professor at MD University, India				
2006-2008 R&D manager at Arvind Denim Mills, India				
2002-2006 Research Associate, IIT Delhi, India				
1998-2002- Lecturer at Utkal University, India				
Obor habilitačního nebo jmenovacího řízení nebo udělení vědecké hodnosti	Textilní materiály		řízení na VŠ	
			TUL	
			ohlasy publikací	
Rok udělení (doc...)	2013		ISI/Scopus	ostatní
Písemný souhlas přednáš., školitele, člena ob. rady s působ. v SP v daném rozsahu			312 citation H index 5	
		Datum	20. 05. 2015	