G – Personnel - lecturer, supervisor or a member of field council

Name of HEI / part	Technical University of Liberec						
Name of SP / FS	Nanotechnology						
First and last name	Vinod VT Padil			**titles**	Dr.		
Year of birth	14.04.1969	**type and extent of contract at this HEI**		Employment contract 100%	**until**	31.08.2016	
Lecturer	no	**supervisor**	yes	**member of field council**		no	
Other current employers				**type of contract**	**extent**		
Lectures in courses of this study programme							

Information about the specialization of their university studies and the professional experience since graduation

2005-2010 – Acharaya Nagarjuna University, Guntur, Andhra Pradesh, India (Ph.D., Environmental Biotechnology)
2003 – Annamalai University, India (M.Sc., Chemistry)
1996 – Calicut University (B.Ed., Physical Scinece)
1998 – Calicut University (B.Sc., Chemistry)

Research Interest:
Electrospinning on natural/synthetic polymers
Plasma treatment technologies
Synthesis of nanocomposites and nanoparticles
Chemistry of Hydrocolloids
Synthesis, characterization and application of nanomaterials
Environmental Bioremediation
Analytical chemistry

Overview of publications and other innovative works in the last 5 years

28 publications in last 5 years, selected (2014-5):

Vinod Vellora Thekkae Padil, C. Senan, Miroslav Černík, Dodecenyl Succinic Anhydride Derivatives of gum karaya (Sterculia urens): Preparation, Characterization and their Antibacterial properties, Journal of Agricultural and Food Chemistry (ACS), 2015, DOI: 10.1021/jf505783e, 63 , 2015, 3757-3765. ; Impact Factor: 3.107

Vinod Vellora Thekkae Padil and Miroslav Černík, Poly (vinyl alcohol) /Gum Karaya Electrospun Plasma Treated Membrane for Removal of Nanoparticles (Au, Ag, Pt, CuO and Fe_3O_4) from Aqueous Solutions; Journal of Hazardous materials 287 (2015) 102 – 110; Impact Factor: 4.331.

P. Saravanan, V.T.P. Vinod, Miroslav Černík, A. Selvapriya Dibyendu Chakravarty , S.V. Kamat, Processing of Mn–Al nanostructured magnets by spark plasma sintering and subsequent rapid thermal annealing, Journal of Magnetism and Magnetic Materials 374 (2015) 427–432, Impact Factor: 2.002.

Vinod Vellora Thekkae Padil, Martin Stuchlík & Miroslav Černík, Plasma modified nanofibres based on gum kondagogu and their use for collection of nanoparticulate silver, gold and platinum, Carbohydrate Polymers, 121 (2015) 468 – 476. Impact Factor: 3.92

Vinod Vellora Thekkae Padil, Nhung H.A. Nguyen1, Alena Ševců & Miroslav Černík, Synthesis, fabrication and antibacterial properties of a plasma modified electrospun membrane consisting of gum Kondagogu, dodecenyl succinic anhydride and poly (vinyl alcohol); 2015, Surface and Coatings Technology. DOI: 10.1016/j.surfcoat.2015.01.035 ; Impact Factor: 2.22

Kattimuttathu , I. S, Chithambaram K, Vinod Vellora Thekkae Padil, Rajender, N, Venkateshwara Reddy M and Miroslav Černík, Synthesis, Characterization and Optical Properties of Graphene Oxide - Polystyrene Nanocomposites. Accepted MS, Polymers for Advanced Technologies, 2015, Impact Factor: 1.99

Bangaru Gokul, P Saravanan, V.T.P. Vinod, Miroslav Černík, R Sathyamoorthy, Synthesis of Ni/NiO Nanocomposites by Hydrothermal-Assisted Polyol Process and their Magnetic Properties as a Function of Annealing Temperature, Powder Technology, 274 (2015) 98 – 104. Impact factor: 2.12

P. Saravanan, V.T.P. Vinod, Miroslav Černík, R. Vishnuraj, J. Arout Chelvane, S.V. Kamat, Jen-Hwa Hsu; Structural and magnetic properties of SmCo-based magnetic films grown by electron-beam evaporation, Journal of Magnetism and Magnetic Materials, Volume 385, 1 July 2015, Pages 313-317, Impact Factor: 2.002

S .Kalaignana Selvi, V. T. P Vinod, Tanuja Kosuri, D. Raju, R. Karuna , R. B. Sahidhar, Biosorption of Uranium (VI) from aqueous solution and synthetic nuclear power reactor effluents by Gum Kondagogu (Cochlospermum gossypium), Journal of Environmental Radioactivity, 2015, Accepted MS ; Impact Factor: 3.55

Vinod Vellora Thekkae Padil, Nhung H.A. Nguyen, Alena Ševců & Miroslav Černík, Preparation, Characterization and Antibacterial Properties of Electrospun Membrane Composed of Gum Karaya, Polyvinyl Alcohol and Silver Nanoparticles; Journal of nanomaterials; 2014, Article ID: 750726; page 1.8; Impact Factor: 1.611.

P. Saravanan, V.T.P. Vinod, Miroslav Černík, Dibyendu Chakravarty, P. Ghosal, S.V. Kamat, Exchange coupled rare-earth free Mn-Al/Fe nanocomposite magnets by spark plasma sintering, Materials Letters, 137 (2014), 369 -372. Impact Factor: 2.269

Vinod Vellora Thekkae Padil, Michael Rouha, M. Cernik. HydrocolloidStabilized Magnetite for Efficient Removal of Radioactive Phosphates. BioMed Research International; 2014, Article ID 504760, Impact Factor: 2.706, http://dx.doi.org/10.1155/2014/504760.

Vinod. V. T. P., Saravanan, P., Seedhar. B., Keerthi Devi, D., Sashidhar. R. B A facile synthesis and characterization of Ag, Au and Pt nanoparticls by using gum kondagogu (Cochlospermum gossypium) hyrocolloid. Colloids and Surfaces B: Biointerfaces, 83 (2011) 291–298; Impact Factor: 4.28, Number of citations: 52

Titles of dissertations that he/she has supervised in the last five years

Activities abroad	

October 2013 – January 2014 – United Kingdom
2011-2012 - Singapore
Since 2011 Czech republic

Field of habilitation or professorship or scientific degree			**at which HEI**	
			citations of publ.	
Year awarded (prof…)	2010		**ISI/Scopus**	**others**
Signature of consent with involvement in the SP in the stated form and extent			362	H=11
		Date	20.05.2015	