



## doc. Ing. Ružena Králiková, PhD.

Associate Professor

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### CURRICULUM

1975 - 1980	Technical University of Košice, Faculty of Mechanical Engineering
1980	Mechanical engineer
1993	CSc. / PhD., In the field of Engineering Technologies
1981 - 1986	Assistant
1958 - 2001	Assistant Professor
2001 -	Associate Professor, deputy of department for science and research

### LANGUAGE SKILLS

- English language
- Russian language

### SCIENTIFIC ORIENTATION

- Environmental monitoring and diagnostics,
- Environmental protection technology and technologies,
- Assessment of environmental aspects and their impacts,
- Environmental engineering and management,
- Evaluation of physical factors of the working environment.

### PEDAGOGICAL ACTIVITIES

- Conducting lectures on subjects: Environmental protection technologies, Design of environmental productions, Monitoring and diagnostics in the environment, Environmental measurements and monitoring, Design of environmental productions, Sustainable development, Separation processes, Evaluation methods of the products quality, etc.

- guarantor of the study program Environmental Protection Technology for the 1st level
- Member of the Commission for State Examinations at the FME TU in Košice in the fields of Environmental Engineering for the 2st and 3rd level
- Chairman of the Commission for State Examinations at the FME TU in Košice in the study program Environmental Protection Technology and Environmental Management for the 1st level
- Member of the Commission for the Admission Procedure of Doctoral Students at the Faculty of Mechanical Engineering of the Technical University in Košice in the field of study 4.3.2 Environmental Engineering
- Supervisor: 13 PhD. (completed)

## PROJECTS (COORDINATOR, CO-RESOLUTOR)

- CEEPUS program coordinator (since 2012 - )
- Responsible researcher of VEGA projects: VEGA 1/0417 (2003-2005), 1/3231 (2006 - 2008)
- Responsible project leader KEGA 064TUKE-4/2011, KEGA 049TUKE-4 (2012 - 2014)
- Co-investigator of ESF projects: OPVaV-2008 / 2.2 / 01-SORO 26220220028 (2010 - 2013), ESF-ITMS 26220120060 (2011 - 2013)
- Co-researcher of projects: APVV, KEGA, VEGA, UNIVNET, etc. for a period of years 2021-2025

## MEMBERSHIP, AWARDS

- Member of DAAAM
- Member of the organizing committee of the conference Environmental Engineering and Management
- Member of the scientific board of the conference Integrated Security MtF Trnava STU
- Member of the scientific committee of the conference Environmental Quality Assessment
- Member of editor board of the journal Holistic Approach to Environment
- Member of the ČSO (Czech Society for Lighting)
- Honorary award of ZSVTS (Union of Slovak scientific and technical societies)
- Award of Faculty of Mechanical Engineering dean - TUKE for the best publication for 2020

## FOREIGN STAYS

2008	University of Novi Sad
2009	Cracow University of Technology
2010	Technical University of Poznań
2011	University of Montenegro
2012	Technická univerzita v Liberci
2015	Cracow University of Technology
2016	University of Pannonia, Veszprem
2017	Technical University of Lublin
2018	University of Nyíregyháza
2019	Technical University of Krakow
2020	University of Szeged
2021	University of Miskolc
2022	Czestochowa University of Technology

## THE MOST IMPORTANT PUBLICATIONS

- [1]. **KRÁLIKOVÁ, R.** - BADIDA, M. - DZURO, T.: Energy saving lighting solutions for industry . 1. Edition. Lüdenscheid: RAM-Verlag. 2016. 122 pp. ISBN 978-3-942303-43-9.
- [2]. MEDVECKÝ, L.- GIRETOVÁ, M. - **KRÁLIKOVÁ, R.** - MEDVECKÁ, S. - BRIANČIN, J.: In vitro cytotoxicity of calcium phosphate cement reinforced with multiwalled carbon nanotubes - 2019. In: Journal of Materials Science: Materials in Medicine. – Berlin. Springer International Publishing AG . Vol. 30, No. 5 (2019), p. [1-11] ISSN 0957-4530. Available: <https://link.springer.com/journal/10856/30/5>. DBs: **WOS****SCOPUS****CCC**
- [3]. ANDREJIOVÁ, M. - PIŇOSOVÁ, M. - **KRÁLIKOVÁ, R.** - DOLNÍK, B. - LIPTAI, P. - DOLNÍKOVÁ, E.: Analysis of the Impact of Selected Physical Environmental Factors on the Health of Employees: Creating a Classification Model Using a Decision Tree - 2019. In: International Journal of Environmental Research and Public Health = IJERPH: Open Access Journal. - Basel: Multidisciplinary Digital Publishing Institute Vol. 16, No. 24 (2019), p. [1-16]. ISSN 1661-7827. Available: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6950521/>. DBs: **OSS****SCOPUS****CCC** Quartile: WOS:Q2,SCO:Q2
- [4]. KOBLASA, F. - **KRÁLIKOVÁ, R.** - VOTRUBEC, R.: Influence of EA Control Parameters to Optimization Process of FJSSP Problem - 2020. In: International Journal of Simulation Modelling = IJSIMM. - Wolkersdorf im Weinviertel (Austria): DAAAM International Vienna Vol. 19, No. 3 (2020), p. [387-398] [print]. ISSN 1726-4529. Available: <https://doi.org/10.2507/IJSIMM19-3-519...> DBs: **WOS****SCOPUS****CCC** Quartile: WOS:Q2,SCO:Q2
- [5]. **KRÁLIKOVÁ, R.** - LUMNITZER, E. - DŽUŇOVÁ, L. - YEHOROVA, A.: Analysis of the Impact of Working Environment Factors on Employee's Health and Wellbeing; Workplace Lighting Design Evaluation and Improvement - 2021. In: Sustainability. - Bazilej (Switzerland): Multidisciplinary Digital Publishing Institute. Vol. 13, No. 16 (2021), p. [1-16]. [online]. ISSN 2071-1050. Available: <https://doi.org/10.3390/su13168816...> DBs: **WOS****SCOPUS****CCC** Quartile I: WOS:Q2,SCO:Q1
- [6]. **KRÁLIKOVÁ, R.** - DŽUŇOVÁ, L. - LUMNITZER, E.n - PIŇOSOVÁ, M.: Simulation of artificial lighting using leading software to evaluate lighting conditions in the absence of daylight in a university classroom Available: <https://doi.org/10.3390/su141811493...> 2022. In: Sustainability. - Bazilej (Switzerland) : Multidisciplinary Digital Publishing Institute . Vol. 14, No. 18 (2022), p. [1-15] [online]. ISSN 2071-1050 . DBs: **WOS****SCOPUS****CCC** Quartile: WOS:Q2,SCO:Q1