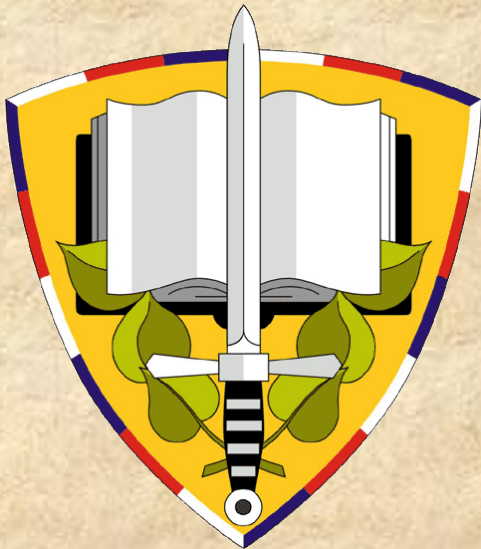


# NBC Defence Institute of University of Defence

## THE MEMBER OF EDITORIAL BOARD'S RESEARCH INTEREST

Lt-Col. Dipl. Eng. Pavel OTŘÍŠAL, Ph.D., MBA



## Editorial Board Member

**Dr. Pavel Otrisal**

Lieutenant Colonel

NBC Defence Institute

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## Biography

- Dr. Pavel OTŘÍŠAL. I was born on the 28th of January 1972 in Ústí nad Orlicí, Czech Republic. I am a soldier. I joined the army in 1986. My current rank is a Lieutenant-Colonel. I had been graduated from the Military College of Ground Forces before I started my military carrier. It was in 1994. Firstly, I had been working as a company commander, then I was a deputy of the chief of staff of the training battalion and then I was promoted to the position of a chief of the training group of the training battalion Secondly, in 1997 I had to move to Vyškov garrison. I had occupied a lot of various positions here before I won a selection procedure in October 2005.

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- Thirdly, from that time I have been working as a special assistant at the NBC defence institute of the University of Defence in Brno. As a teacher I am responsible for education of military students in a branch of CBRN defence (CBRN stands for chemical, biological, radiological and nuclear) and chemical support and furthermore in some courses concerning the branch mentioned above. I was interested in a share of chemical units as a part of Integrated Rescue System. In the scientific work I elaborate problems concerning special protective abilities in the area of possible contamination not only with Chemical Warfare Agents but also with Toxic Industrial Materials.

## Research Interests

- Research activities in a branch of Individual and Collective Protective Equipment – development of new methods for testing of protective characteristics of barrier materials used in protection against CBRN threats especially against Chemical Warfare Agents and Toxic Industrial Chemicals. Research activities in a branch of Combat employment of Chemical Corps.

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## Publications

- Pavel Otrisal and Zdenek Melicharik (2014) *Some Challenges within a Branch of Study of Protective Properties of Barrier Materails in the Czech Armed Forces* J Def Manag 4:e123
- Pavel Otrisal (2012) *Why to Study Chemical Resistance of Selected Ipe against Effects of Decontamination Mixtures?* J Def Manag 3:e120
- Pavel Otrisal (2012) *Selected Software Tools Used for CBRN Situation Assessment within CZECH Armed Forces Chemical Corps* J Def Manag 2:e115

## Measurement of body surface isolative protection properties

- Employment of new methods based on changes of characteristics of special sensor based on QCM;
- Development of working procedures related to testing protective materials in accordance to norms;
- Contribution to decision making process of commanders in all types of operations

## Measurement of body surface isolative protection properties

- Using special software tools designated only for purposes of this measurements;
- Cooperation with other universities and special working places not only in the Czech Republic but also within the NATO framework;
- Cooperation with companies which produce material for physical protection.



## Tactics and combat employment of chemical corps in operations

- Developing of new procedures in new types of military operations in accordance to the NATO standards and doctrines;
- Enhancing of capabilities within the framework of CBRN Defence and chemical support;
- Contribution to the development of new material for the chemical corps units and formations.

## Tactics and combat employment of chemical corps in operations

- Enhancing of decision making process with the application of command and control approaches;
- Combining of tasks fulfilled within CBRN Defence and chemical support into one measurement named CBRN Defence in accordance to NATO standard AJP-3.14.

## Joint CBRN Defence Centre of Excellence as a part of NATO

- Place, organizational structure, mission and task of Joint CBRN Defence Centre of Excellence in the NATO structure;
- Role, responsibility and mission of financial organs working in favour of this institution;
- Development of working procedures and their evaluation within other COEs.