



**RNDr. Jan Krejčí, PhD**

**BVT Technologies a.s.,**

**Czech Republic**

Dr. Jan Krejčí is the CEO in BVT Technologies, a. s. He studied physics of solid state at Masaryk University and he passed the Ph.D. exam in Faculty of Electrical Engineering and Communication at Brno University of Technology in 2005.

During 1980 - 1990 he worked on the development of artificial kidney and artificial pancreas (Institute of medical engineering, Brno). Then he worked on the development of biosensor and electrochemical sensors in 1990-2000 (Krejčí Engineering, Tišnov). He was one of the first in the world to use screen printed electrodes (1983).

In 2000 he founded the company BVT Technologies, a. s. It is focused on research, development and production of electrochemical sensors and biosensors. The company also develops and manufactures a wide range of electrochemical sensors, enzyme biosensors (AChE and GOx) and related laboratory equipment including connectors, flow cells, pumps, potentiostats, software and other devices ([www.bvt.cz](http://www.bvt.cz)). BVT specializes in thick film technology for the production of screen-printed electrochemical sensors. Jan Krejčí participated in more than 20 EU and national research. He was also a member of opponent councils of the EU and national projects. He is author and co-author of about 50 publications and 15 patents.

He participated in several EU and national projects (e.g. (6. RP BUGCHECK Contract No. 17969, BioMedNANO Contract No. 017350, Biolisme Contract No. 232037, 6. RP Immunologio Contract No. 032169, Bugcheck Contract No. 17969, BioMedNANO Contract No. 017350, MPO – IBIS No. FT-TA/089, GAČR – NIMS No. KAN200520702, Infuloc – (Marie Curie), Contract No: 230749, DLC Contract No. FR-TI1/118 and many other.

Attached publications are examples of different fields where Jan Krejčí contributed.

1. Krejci, J., Jezova, L., Kucerova, R., Plicka, R., Broza, S., Krejci, D., Ventrubova, I. The measurement of small flow. *Sensors and Actuators A Physical* 266 · September 2017.
2. Buckova, M., Lichinsky, R., Jandova, V., Krejci, J., Pospichalova, J., Huzlik, J. Fast Ecotoxicity Detection Using Biosensors. *Water Air Soil Pollut* (2017) 228:166. .
3. Bertok, T., Dosekova, E., Belicky, S., Holazova, A., Lorencova, L., Mislovicova, D., Paprckova, D., Vikartovska, A., Plicka, R., Krejci, R., Ilcikova, M., Kasak, P. Tkac, J. Mixed Zwitterion-Based Self-Assembled Monolayer Interface for Impedimetric Glycomic Analyses of Human IgG Samples in an Array Format. *Langmuir* 32(28) · June 201.
4. Krejci, J., Ventrubova, I., Jezova, L., Fischer, J., Berek, J. Testing of Electrochemical Efficiency of Wall Jet Cell FC2 as a Tool for Detection of Electrochemically Oxidisable Biomarkers. *International journal of electrochemical science* 10(6):4922-4927 · June 2015.