

**IUPAC Project Progress Report**

**Date:** January 30, 2005 ; Period: July 2005 – February 2006

**Project number:** 2002-003-2-500

**Project Title:** Performance Evaluation Criteria for Preparation and Measurement of Macro and Microfabricated Ion-Selective Electrodes

**Task Group Leader:** Yoshio Umezawa

**Starting date:**

**Report:**

1. Projected completion date (documents ready for external review):  
Shortly
2. Have the project objectives been modified during the last 6 months?  
No
3. Please list the task group members involved in the work during the last 6 months.  
Erno Lindner
4. Difficulties encountered (or concerns):  
New experimental data were collected with solid contact planar electrodes and for screening ionophores for their attainable (inherent) detection limit.
5. Please list the to-date results (outputs) of the project
6. Please list the dissemination events (viz. articles, CD, conference presentations; etc.)
  - (i) already accomplished: Presentation on the Matrafured 05
  - (ii) planned: Technical Report in Pure & Applied Chemistry  
Presentation on Pittcon 2006 conference
7. If your project is within 6 months of completion, how do you plan to utilise any remaining budget for this project?  
Not available
8. Work on this project may have identified new problems, issues, challenges, emerging topics, opportunities for related projects, etc. Please indicate these here so that the Division can follow up on them.

Some of the IUPAC Classification and Nomenclature on ion-selective electrodes is outdated in the light of the developments in the field in the last 10 years. It would require a task group to address all the issues. A request for new IUPAC recommendations has been formulated at the Matrafured 05 conference in Hungary. In the absence of a Commission it appears to be difficult to address all the issues.