



KEMIJSKI INŠTITUT

Vabilo na Forum40 / Invitation to the Forum40

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Četrtek / Thursday, 11. 5. 2023 ob / at 13:00

Velika predavalnica Kemijskega inštituta / Great Lecture Hall

WEBEX

<https://ki-ljubljana.webex.com/ki-ljubljana/j.php?MTID=m7e4a426699c6f4871f42d3d372af3ed5>

Join by webinar number (access code): 2732 567 5520

Webinar password: tN6tepUEs83

Development of highly sensitive and selective electrochemical sensors for gaseous hydrogen peroxide

There is still growing demand for sensitive, selective, disposable, and robust gas sensors for point-of-need detection of trace H_2O_2 . From this point of view, electrochemistry offers almost unlimited possibilities for tailoring various sensing membranes that enable the accumulation, derivatization, and convenient detection of the target gaseous analyte. This lecture addresses several aspects of the development, preparation, optimization, and characterization of such portable and disposable sensors for sensitive, selective, and on-site voltammetric detection and quantification of gaseous H_2O_2 . Finally, the practical applicability of the newly developed gas sensors will be demonstrated.



Vljudno vabljeni / Kindly invited