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Author: Sevgi Güney Orhan Güney

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# A novel electrochemical sensor for selective determination of uranyl ion based on imprinted polymer sol-gel modified carbon paste electrode

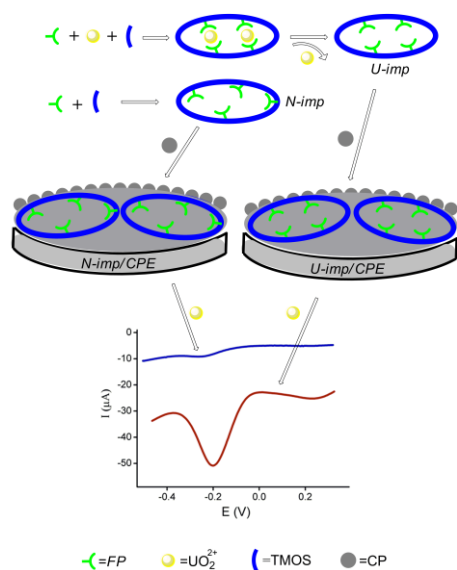
Sevgi Güney<sup>a,\*</sup>, Orhan Güney<sup>a,\*</sup>

<sup>a</sup>Department of Chemistry, Istanbul Technical University, Maslak, 34469 Istanbul, Turkey

\*Corresponding authors. Tel.: +90 212 285 31 62 (32 46); fax: +90 212 285 63 86.

E-mail addresses: kartal@itu.edu.tr (S. Güney); oguney@itu.edu.tr (O. Güney)

## Graphical abstract



## Research Highlights

- Synthesis of a new functional precursor, *FP* has been first reported.
- *FP* was introduced into polymer sol-gel to create a specific cavity for Uranyl ion.
- An electrochemical sensor based on an ion-imprinted polymer sol-gel has been developed.
- Selective and sensitive determination of uranyl ion was achieved.

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