

## Bibliografia de Curso

### “Aplicação de impedância electroquímica para biosensores”

#### Ementa

- Cuncimento básico de teoria de espectroscopia impedância electroquímica (EIE),
- (Bio) ensosres químicos,
- Caracterização dos biosensores com a EIE;
- Caracterização dos biosensores com a EIE;
- Biosensores impedimétricos.

#### Referências

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5. “Biosensors for Health, Environment and Biosecurity”, ed. P.A. Serra, In Tech, Rijeka 2011.
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8. S. Chen “Self-Assembling of Monolayer-Protected Gold Nanoparticles”, J. Phys. Chem. B, 104 (2000) 663-667.
9. E. Katz, I. Willner “Probing Biomolecular Interactions at Conductive and Semiconductive Surfaces by Impedance Spectroscopy: Routes to Impedimetric Immunosensors, DNA-Sensors, and Enzyme Biosensors”, Electroanalysis 15 (2003) 913-947.
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