

## Selected Topics:

1. Double layer.
2. Kinetics of electro-reaction.
3. (any ion)-selective electrode.
4. Potentiometric titrations.
5. Coulometric titrations.
6. Amperometric titrations.
7. Chemically modified platinum electrodes.
8. Anodic (or cathodic) stripping analysis.
9. Adsorptive stripping analysis.
10. History of glass electrode.
11. DC and sampled polarography – comparison.
12. Design of electrochemical cells.
13. Digital simulation in electrochemical cells.
14. Fuel cells.
15. Energy storage devices.
16. Biosensors (or *in-vivo* electrochemistry).
17. SEM (scanning electron microscope).
18. STM (scanning tunneling microscope).
19. Spectroelectrochemistry.
20. Photoelectrochemistry.
21. Sonoelectrochemistry.
22. Thin-layer electrochemistry
23. Electrochemical detectors in HPLC.
24. Corrosion.
25. Electrocatalysis.
26. Nanoelectroanalysis.