


Methods, IAAC, Janiak

<p><b>Flow injection analysis (FIA)</b></p> <p><i>photometry</i></p>	<p>Model: <i>MLE(Dresden) flow injection analyzer</i>          Unit and Room: <i>Chemie II, Room 035</i>          Responsible: <i>Prof. C. Janiak, S. Zuelsdorf</i>          Further information: <i>instrument handbook</i></p>	
<p>Short Description:</p> <p>Flow injection analyzer for the rapid photometric concentration determination in numerous aqueous samples of either nitrite, nitrate or ortho-phosphate</p>	<p>Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <p>Nitrite: 0.01 to 10 mg/L nitrite-N through azo dye formation according to ISO / EN / DIN 13395;          Nitrate: 0.02 to 30 mg/L nitrate-N through reduction to nitrite followed by azo dye formation;          Phosphate: 0.02 to 20 mg/L ortho-phosphate-P through phosphomolybdate formation and reduction to molybdenum blue with SnCl<sub>2</sub> according to DIN EN ISO 15681-1</p>		
<p>Special Equipment:</p> <p>automatic sample changer</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students  <input checked="" type="checkbox"/> Students after Introduction  <input type="checkbox"/> Students after extensive training  <input type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>		
<p>Typical problems that may be solved with this instrument:</p>	<p><i>nitrite, nitrate or phosphate in water, waster water, plant or soil extracts</i></p>	