



03. Photography with iron salts

Reporter: Anna Arsenou

Opponent: Valeriya Lopashinova

Reviewer: Ankit Singhal

Team Greece-Pinewood

Team Russia-Maximum

Team Switzerland





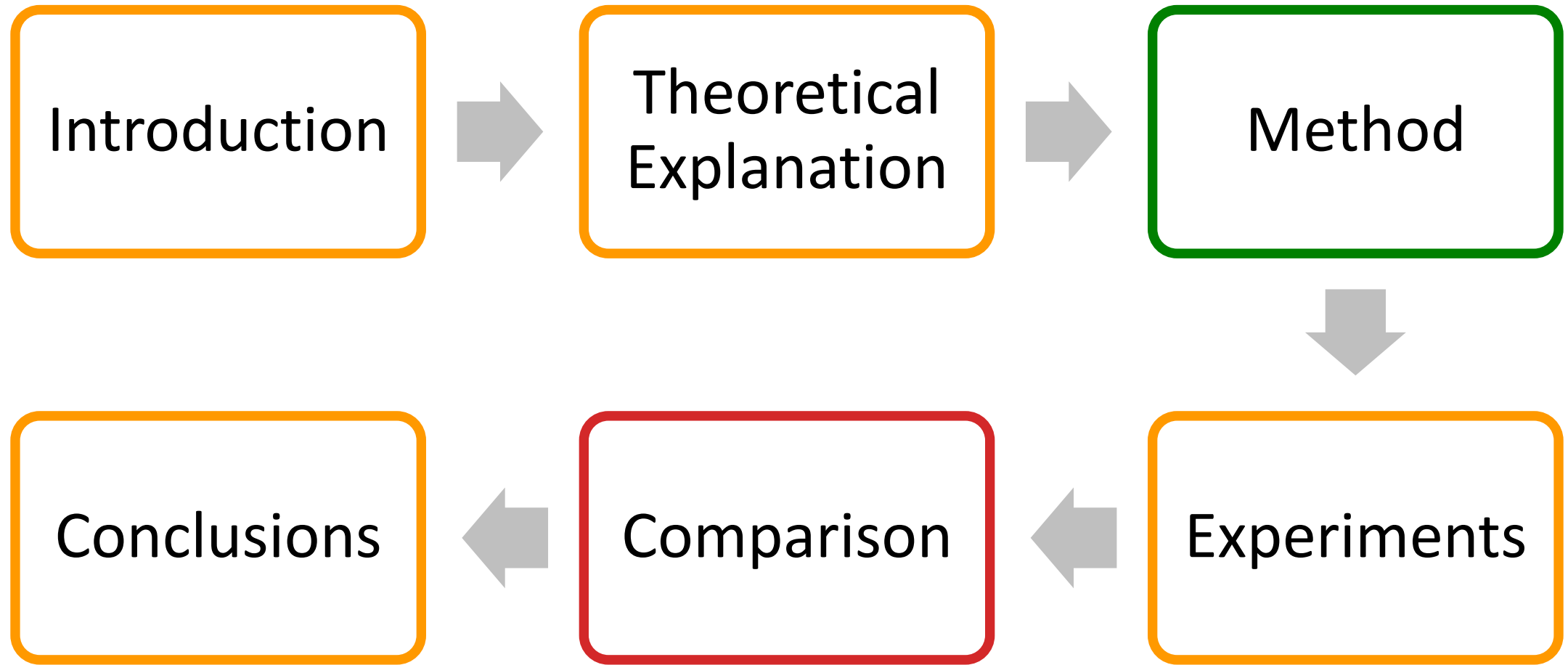
Task

Mix 10 parts of ferrous oxalate (25% aqueous solution), 7 parts of concentrated ammonia solution, and 20 parts of saturated solution of oxalic acid to produce a photosensitive iron complex. Prepare separately a 25% solution of potassium ferricyanide. A sheet of paper saturated with a mix of these two solutions can be exposed to light and **produce an image**. **What other iron salts are photosensitive?** Produce photographs using various approaches and **various iron salts**, and investigate the **role of relevant parameters**.


- Numerous iron salts
- Produce images
- Impact of parameters



Outline of Report



 Agree with opponent

 Other opinion

 No comment before



Explanation of Theory

- Formulaic understanding
- Justification of method
- Various salts tested
- General images produced
- Data collection



Statement of Opponent

- 4 questions
 - Redundant
- Clarifying questions of Prussian blue



Discussion Topics

- No discussion took place
- Reporter restated initial presentation
- Hypotheses readdressed
- Inactive opponent



Performance

Reporter

- + Justification of hypotheses/method
- + Understanding of theory

- Technical issues
- Data collection
- Thorough theoretical explanation

Opponent

- Inactive discussion
- Few questions asked
- Inability to answer questions

