UNLOCKING RESOURCES THROUGH HYDROMETALLURGY

A COMPREHENSIVE APPROACH TO EXTRACTION AND PROCESSING

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Throughout the course, emphasis is placed on bridging theoretical knowledge with practical applications, equipping participants with the tools and insights necessary to navigate the evolving landscape of hydrometallurgy. By harnessing the principles of physicochemistry and engineering, this course serves as a catalyst for advancing sustainable resource extraction practices in the modern era.

Tuesday 30th April 9.00-13.00 TA09 (4h):

Part 1 (4h): Physicochemistry and Engineering in hydrometallurgy

- Introduction (15 min)
- Leaching (45 min), A. CHAGNES
- Solvent extraction (1 h), A. CHAGNES
- Crystallization and precipitation (2 h), K. FORSBERG

Thursday 2nd May 9.00-13.00 TA10 (4h):

Part 2 (4h): Hydrometallurgy of critical raw materials

- Rare earth elements extraction, from waste to treasure (2 h), K. FORSBERG
- Uranium extraction from primary conventional and unconventional resources (1 h), A. CHAGNES
- Metals for and from lithium-ion batteries (1 h), A. CHAGNES