Chemical Studies on the Development of Different Systems for the Extraction of Some Elements of Nuclear and Industrial Applications

A Thesis Submitted

By

Botros Abdelnaser Masry Tawfik
(M.Sc. in Chemistry 2015)

To

Chemistry Department, Faculty of Science,
Ain-Shams University

For

The Degree of Doctor of Philosophy (Chemistry)

Hot laboratories center- Atomic Energy Authority

2018

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Thesis advisors

Prof. Dr. Ebtisam A. Saad
Prof. of Inorganic and Radiation Chemistry
Faculty of Science
Ain-Shams University

Prof. Dr. Jacqueline A. Daoud
Prof of Radio-Inorganic Chemistry
Hot Laboratories Center
Atomic Energy Authority

Assoc.Prof. Dr. Hala G. Nowier
Assoc. Prof. of Inorganic Chemistry
Hot Laboratories Center
Atomic Energy Authority

Dr. Mohammad Mohammad Zeid
Lecturer of Inorganic Chemistry
Hot Laboratories Center
Atomic Energy Authority

APPROVAL SHEET

Title of Ph.D. Thesis:

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Name of the candidate: Botros Abdelnaser Msry Tawfik

<u>**Thesis advisors**</u>	<u>**Approved**</u>
Prof. Dr. Ebtisam A. Saad Prof. of Inorganic and Radiation Chemistry Faculty of Science - Ain-Shams University	……………………….
Prof. Dr. Jacqueline A. Daoud Prof of Radio-Inorganic Chemistry Hot Laboratories Center- Atomic Energy Authority	………………………
Assoc.Prof. Dr. Hala G. Nowier Assoc. Prof. of Inorganic Chemistry Hot Laboratories Center - Atomic Energy Authority	…………………………
Dr. Mohammad Mohammad Zeid Lecturer of Inorganic Chemistry Hot Laboratories Center - Atomic Energy Authority	………………………….

APPROVAL

Prof. Dr. Ibrahim H. A. Badr

Head of chemistry department

Faculty of Science - Ain-Shams University

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LIST OF PUBLICATIONS

1- **EXTRACTION OF PALLADIUM FROM NITRATE MEDIUM BY EMULSION LIQUID MEMBRANE CONTAINING CYANEX 471X AS CARRIER**

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J. Solvent Extraction and Ion Exchange, vol.35, 145–160 (2017)

***2-* EXTRACTION OF MOLYBDENUM(VI) FROM NITRIC ACID MEDIUM AND ITS RECOVERY FROM GATTAR GRANITE ORE USING CYANEX 923 IN KEROSENE**

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***3-* LIQUID-LIQUID EXTRACTION AND RECOVERY OF P(II) FROM NITRIC ACID MEDIUM USING GREEN DIESEL AS EXTRACTANT**

B.A. Masry, M.M. Zeid, A.T. Kassem, H.G. Noweir, E.A. Saad and J.A. Daoud

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