MINISTRY OF EDUCATION AND TRAINING
HANOI NATIONAL UNIVERSITY OF EDUCATION

PhD. Student
Bui Thi Thu

STUDY ON THE DETERMINATION AND TREATMENT OF CYANIDE IN WASTEWATER BY CHEMICAL AND BIOLOGICAL METHODS

Major: Analytical Chemistry

Codes 62 44 01 18

DOCTORAL DISSERTATION SAMMARY

Ha Noi - 2016

This doctoral dissertation was implemented at Hanoi National University of Education

Scientific supervisors:

Assoc Prof. Dr Dao Van Bay

Assoc Prof. Dr Dang Xuan Thu

Reviewer 1: Prof. Dr. Sci. Trinh Xuan Gian
Institute of Chemistry

Reviewer 2: Prof. Dr. Dang Dinh Kim
Institute of Environmental technology

Reviewer 3: Dr. Le Duc Liem
Hanoi University of Mining and Geology

The dissertation will be defensed at Hanoi National University of Education Counsil in the date:

This dissertation would be available at
- Hanoi National Library
- Hanoi National University of Education Library

LISTS OF PAPERS RELATED WITH THE THESES PUBLISHED

1. Bui Thi Thu, Dao Van Bay, Dang Xuan Thu, (2013), Study and determination of cyanide by spectrophotometric method using pyridine-pyrazolne reagent, Proceedings on National Chemical Conference, 6th, Hanoi,22/11, pp 249-255.
2. Bui Thi Thu, Trinh Kim Yen, Dao Van Bay, Dang Xuan Thu, (2014), Study and determination of cyanide and evaluation of some polluted water sources, Journal of Science, HNUE, ISSN 068-3719,Vol. 59, No. 4, pp 45-53.
3. Bui Thi Thu, Dao Van Bay Trinh Kim Yen, , Ngo Thi Hue (2014), Study on cyanide determination in wastewater from some metal plating in Thanh Thuy, Thanh Oai, Hanoi, Journal of Natural Resources and Environment, ISSN 0866-7608, T4, (9/2014), pp.18-26.
4. Dao Van Bay, Bui Thi Thu, Dang Xuan Thu, (2015) Study on cyanide determination by pyridine- pyrozalone reagent and application to evaluate some cyanide contaminated wastewater resources in Hanoi, International Journal of Development Research (IJDR), ISSN 2230-9926; Vol.05, Issue 08, pp.5186-5190.
5. Bui Thi Thu, Dao Van Bay, Dang Xuan Thu, (2015), Study on the cyanide treatment in wastewater of metal plating using Na2S2O5 – Cu^{2+}(catalyst), Journal of adsorption and catalyze , ISSN 0866-7411,T4, N0. 4B, pp.99-103.
6. Bui Thi Thu, Trinh Kim Yen, Dao Van Bay, Dang Xuan Thu, (2015), Study on analyzing cyanide in water using selective electrode and its application in analyze. Proceedings on Science Research with Education at University, University of Natural Resources and Environment, 11/2015, pp.229-235.
7. Bui Thi Thu, Dao Van Bay, Dang Xuan Thu and Nguyen Thi Hong Hanh (2016). Study on cyanide treatment in metal plating wastewater of ThanhThuy village, ThanhOai district, Hanoi city by water hyacinth. International Journal of Development Research (IJDR), ISSN: 2230-9926; Vol. 06, Issue, 04, pp.7354-7356, April, 2016.