SUMMARY INFOMATION ON THE NEW POINT OF THE THESIS

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Training facilities: Vietnam institute of Industrial Chemistry

SUMMARY THE NEW POINT OF THE THESIS

1. Researched handling compounds extracted DDT, DDD, DDE from contaminated soil using organic solvent systems QH1, QH2, QH3 with high performance. from there, opening a new direction in handling the pollution hotspots of pesticides - DDT by extraction with solvent wash original linear alcohol environmentally friendly, alternative technology uncertain and expensive burning as it is today.
2. Synthetic PANi polymer-based polymer materials are synthesized on the carrier material such as coir and sawdust in various conditions, nanometer size and these materials are used to adsorb organic pollutants such as DDT, DDD, DDE to extract contaminated soil, reaching adsorption capacity of over 45 mg/g.
3. Results analysis shows, there appears the transformation of DDT to DDD during extraction with the solvent QH is from 2.00 ÷ 58.89%. The new point is that there identified with the transformation in the extraction wash pesticides and quantify metabolic rate.
4. From the results of applied research Langmuir isotherm models and Freundlich isotherm models material for PANi / coir and PANi / sawdust for compounds DDT, DDD, DDE shows the Langmuir isotherm model fit the experimental than Freundlich isotherm model.

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