

## List of Publications:

1. Synergistic extraction of Cerium(III) by dipyridyl – donor combination.  
S. Banerjee and S. Basu, *Indian Journal of Chemistry*, **2001**, 40A, 848.
2. Synthesis of thiosemicarbazone derivative of 2-OH naphthaldehyde and its application in synergistic extraction of gold (III).  
S. Banerjee and S. Basu, *Indian Journal of Chemistry*, **2002**, 41A, 2489.
3. Synergistic extraction of Th(IV) by 2-hydroxy-1-naphthaldehyde thiosemicarbazone and neutral donors.  
S. Banerjee and S. Basu, *Radiochimica Acta*, **2003**, 91, 97.
4. Synergistic extraction of uranium(VI) by 2-hydroxy-1-naphthaldehyde thiosemicarbazone and several neutral donors.  
S. Banerjee, M. Bhar and S. Basu, *Radiochimica Acta*, **2003**, 91, 1.
5. Studies on synergistic extraction of Pd (II) using 2-hydroxy-1-naphthaldehyde thiosemicarbazone and neutral donors.  
S. Banerjee and S. Basu, *Indian Journal of Chemistry*, **2003**, 42A, in press.
6. Synergistic extraction of Cobalt (II) by 2-hydroxy naphthaldoxime and neutral donors.  
S. Banerjee and S. Basu, *Annali di Chimica*, **2003**, in press.
7. Extraction of uranyl ion with 3-phenyl-4-benzoyl-5-isoxazolone (HPBI) and neutral donors from dilute nitric acid medium.  
S. Banerjee, A. Bhattacharya, P. K. Mohapatra, S. Basu and V. K. Manchanda, *Radiochimica Acta*, **2003**, in press.
8. Extraction of ternary beta-diketonates of uranyl ion using some substituted mono amides.  
A. Bhattacharya, S. Banerjee, P. K. Mohapatra, S. Basu and V. K. Manchanda, *Solvent Extraction and Ion Exchange*, **2003**, in press.

9. Role of ligand structure and on the extraction of a uranyl isoxazolonate adducts.  
A. Bhattacharya, P. K. Mohapatra, S. Banerjee, S. Basu and V. K. Manchanda, *Solvent Extraction and Ion Exchange*, **2003**, in press.
10. Synergistic extraction of thorium by  $\beta$ -hydroxy naphthaldoxime in presence of neutral donors.  
S. Banerjee, S. Biswas and S. Basu, *Journal of Radioanalytical and Nuclear Chemistry*, **2001**, 250, 399.
11. Extraction of tetravalent Neptunium Isoxazolonates as their TOPO adducts.  
S. Banerjee, P. K. Mohapatra, A. Bhattacharya, S. Basu and V. K. Manchanda, *Radiochimica Acta*, **2003**, in press.
12. Synergistic effect of neutral donors on the extraction of Zirconium(IV) by Salicylaldoxime in dichloromethane.  
S. Banerjee and S. Basu, *Radiochim. Acta*, **2003**, in press.
13. Synergistic extraction studies of Uranium (VI) by 2,2'-dipyridyl and neutral donors in chloroform.  
S. Banerjee and S. Basu, communicated.
14. Thermodynamic study on the synergistic extraction of  $\text{UO}_2^{2+}$  with some  $\beta$ -diketones and N substituted amides.  
S. Banerjee and S. Basu, communicated.
15. Influence of crown ethers on the synergistic extraction of Praseodymium with benzoylacetone.  
S. Banerjee, S. Bhattacharya and S. Basu, communicated.

## **List of papers presented / accepted in Conferences / Symposia**

1. Synergistic extraction studies of Uranium (VI) by 2,2'-dipyridyl and neutral donors in chloroform.

Paper presented at NUCAR'2001, Pune University, Pune, India, 2001.

2. Extraction of uranyl ion by a mixture of 3-phenyl-4-benzoyl-5-isoxazolone and some substituted monoamides.

International Symposium on Solvent Extraction, RRL, Bhubaneswar, India, 2002.

3. Distribution behaviour of Np (IV) with N,N-dialkyl amides.

Paper presented at NUCAR-2003, BARC, Mumbai, India, 2003.

4. Extraction of tetravalent Neptunium Isoxazolonates as their TOPO adducts.

Paper presented at NUCAR-2003, BARC, Mumbai, 2003.

(By presenting this paper S. Banerjee has received the 1<sup>st</sup> best paper presentation award).