LIST OF PUBLICATIONS

1. Cation-exchange study on a crystalline and thermally stable phase of antimony(V) silicate. Effect of irradiation on ion-exchange behaviour and separation of Cd(II) from Zn(II) and Mn(II) and of Mg(II) from Ba(II), Ca(II) and Sr(II).

2. Kinetics of exchange of alkaline earth metals on antimony(V) silicate cation exchanger.

3. Thermodynamics of Ca$^{2+}$ - H$^+$ and Mg$^{2+}$ - H$^+$ exchanges on antimony(V) silicate cation exchanger.

4. Thermodynamics of Ba$^{2+}$ - H$^+$ and Sr$^{2+}$ - H$^+$ exchanges on antimony(V) silicate cation exchanger.

5. Adsorption studies of alkali metals on various inorganic ion-exchange materials using radiotracers.

7. Ion exchange kinetics of transition metals on crystalline antimonic acid and antimony(V) silicate cation exchangers to evaluate their separation potential.
   (Communicated to Reactive Polymers, Ion Exchangers, Sorbents).

8. Selective spot test method for the detection of Iron(III) and molybdenum(VI) on antimony(V) silicate beads.
   (Communicated to Analitica Di Chimica).

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