

### List of Publications:

1. Effect of Simultaneous substitution of 3-D ion and Ca in YBCO.  
N.V. Patel, M.Sarkar, P.K. Mehta, D.R.S. Somayajulu,  
Solid State Physics India, 360, 37C, 1994.
2. Mössbauer study of Ca and Sr substitution in YBCO.  
M.Sarkar, N.V. Patel, P.K. Mehta, D.R.S. Somayajulu,  
Solid State Physics India, 361, 37C, 1994.
3. Ion beam modification of Fe doped polymer –PMMA  
N.V. Patel, M. Sarkar, et. al.,  
Presented at PATPAA, Calcutta, Nov., 1996.
4. Mössbauer study of Fe doped superconductor  $\text{LaCaBaCu}_3\text{O}_7$   
M. Sarkar, N.V. Patel, K.C. Sebastian, N.D. Chavda, D.R.S. Somayajulu,  
R. Singh, A.V. Narlikar,  
Solid State Physics India, 317, 40C, 1997.
5. Mössbauer spectroscopic and Magnetic studies of Gel grown Iron (II)  
Tartrate Dihydrate crystals.  
S. Joseph, H. Joshi, M. Joshi, N.V. Patel and M. Sarkar.  
Indian J. of Phys., Vol. 771A, No.6, 643, 1997.
6. Mossbauer study of Fe doped Poly (methyl metha acrylate) before and after  
ion beam modification.  
D.R.S. Somayajulu, C.N. Murthy, D.K. Awasthi, N.V. Patel and M. Sarkar.  
Bulletin of Materials Science, Vol. 4, No. 24, p. 397, 2001.

7. Mossbauer study of multiple substitutions in YBCO.  
Presented at the XII<sup>th</sup> International conference on hyperfine interactions at  
Park city, Utah USA August 2001.  
M. Sarkar, N.V. Patel, P.K. Mehta and D.R.S. Somayajulu
  
8. Mossbauer study of Magnetic FeSb dilute system.  
D.R.S. Somayajulu, M. Sarkar, N.V. Patel, K.C. Sebastian and Mukesh  
Chavda  
Presented at the XII<sup>th</sup> International conference on hyperfine interactions at  
Park city, Utah USA, August 2001.