List of Publications

Journals

1) Virgin response of field induced microwave absorption in the BSCCO \textbf{HTSC-RSJ} model
\textbf{V.Seshu Bai, P.V.Patanjali} and \textbf{S.M.Bhagat}
Solid state Commun. 90, 809 (1994).

2) Microwave \textit{magnetoabsorption} - virgin curves, hysteresis and random fields in BSCCO
\textbf{V.Seshu Bai, P.V.Patanjali, S.M.Bhagat} and \textbf{S.Tyagi}

3) rf surface impedance in BSCCO and melt textured YBCO superconductors
\textbf{P.V.Patanjali} and \textbf{V.Seshu Bai}

4) Observation of paramagnatic Meissner \textit{effect} in GdBCO powder - a microwave absorption study
\textbf{P.V.Patanjali, V.Seshu Bai, R.M.Kadam} and \textbf{M.D.Sastry}

5) Field and temperature dependence of radio frequency (MHz) absorption of BSCCO superconductor
\textbf{P.V.Patanjali, V.Seshu Bai}
Submitted to Physics C.
6) Anomalous microwave absorption in GdBCO powder: $\pi$ junctions and the paramagnetic Meissner effect
P.V. Patanjali, V. Seshu Bai, R. M. Kadam and M. D. Sastry
Submitted to Phys. Rev. B.

7) Weaklink response to the rf (MHz) absorption in GdBCO superconductor
P.V. Patanjali and V. Seshu Bai
Submitted to Physica C.

8) Field induced microwave absorption in HTSC - determination of pinning force and critical current
P.V. Patanjali, V. Seshu Bai, R. M. Kadam and M. D. Sastry
Submitted to Superconductor Sci. and Technol.

9) rf marginal oscillator for surface impedance measurements of superconductors
P.V. Patanjali, N. Harish Kumar and V. Seshu Bai
To be communicated to Rev. of Sci. Instru.

10) Study of vortex dynamics in BSCCO and GdBCO from the radio frequency shift
P.V. Patanjali and V. Seshu Bai
In the preparation.

11) Anomalous frequency shift in GdBCO - Interaction of Josephson currents with the paramagnetic moments
P.V. Patanjali and V. Seshu Bai
In the preparation.
International Conferences

1) Marginal oscillator for measuring surface impedance of superconductors
P.V.Patanjali, N.Harish Kumar and V.Seshu Bai
14th World Congress on Nondestructive testing, Dec. 8-13, 1996, New Delhi, India
(oral presentation)

2) Temperature and field dependent rf surface impedance in BSCCO and melt textured YBCO
P.V.Patanjali and V.Seshu Bai

3) Observation of paramagnetic Meissner effect in GdBCO powder- a microwave absorption study
P.V.Patanjali, V.Seshu Bai, R.M.Kadam and M.D.Sastry
International symposium on ASMCCD, Sep 17-21, 1996, TIFR, Mumbai, India.

4) Observation of anomalous frequency shift in GdBCO - a study of radio frequency impedance
P.V.Patanjali and V.Seshu Bai
International Workshop on HTSC - 10 years after its discovery, Dec 17-22, Jaipur, India.

4) Study of flux pinning in HTSC using radio frequency absorption
P.V.Patanjali and V.Seshu Bai

5) Low field switching of hysteretic microwave magnetoabsorption in 110K phase
BSCCO superconductor

National Conferences

1) Transport current density measurements in quench melt grown YBCO samples
P.V.Patanjali, C.S.Murthy, V.Seshu Bai, R. Gopalan and T.Rajasekharan

2) Radio frequency absorption studies in BSCCO superconductor
P.V.Patanjali, N.Harish Kumar and V.Seshu Bai