



TABLE OF CONTENTS

Guest Editors' Message

Dinesh Agrawal and Manoj Gupta 111

Development of Hierarchical Magnesium Composites Using Hybrid Microwave Sintering

Meisam Kouhi Habibi, Shailendra P. Joshi and Manoj Gupta 112

Microwave Assisted Synthesis and Characterization of Barium Titanate Nanoparticles for Multi Layered Ceramic Capacitor Applications

Sundararajan Thirumalai and Balasivanandha Prabu Shanmugavel 121

Effect on the Grain Size of Single-mode Microwave Sintered NiCuZn Ferrite and Zinc Titanate Dielectric Resonator Ceramics

*Roopas Kiran Sirugudu, Rama Krishna Murthy Vemuri,
Subramanian Venkatachalam, Anisha Gopalakrishnan and Srinivasa Murty Budaraju* 128

Continuous Pig Iron Making by Microwave Heating with 12.5 kW at 2.45 GHz

Kyosuke Hara, Miyuki Hayashi, Motoyasu Sato and Kazuhiro Nagata 137

Morphology and Phase Evolution in Microwave Synthesized Al / Fe₃O₄ System

Lee Chang Chuan, Noboru Yoshikawaa and Shoji Taniguchia 148