

International Conference on Materials for Advanced Technologies (ICMAT 2013)

Symposium BB – Nanomedicine: Emerging Nanomaterials for Bioimaging, Targeting and Therapeutic Applications

Procedia Engineering Volume 92

Singapore

30 June – 5 July 2013

Editors:

**Tamil Selvan
Wolfgang Parak
Ian M. Kennedy**

**Timothy Tan
S. Balakumar**

ISBN: 978-1-63439-785-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© by Elsevier B.V.
All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact Elsevier B.V.
at the address below.

Elsevier B.V.
Radarweg 29
Amsterdam 1043 NX
The Netherlands

Phone: +31 20 485 3911
Fax: +31 20 485 2457

<http://www.elsevierpublishingsolutions.com/contact.asp>

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Preface	1
<i>Tamil Selvan Subramanian, Timothy Tan, Wolfgang Parak, Balakumar Subramanian, Ian Kennedy</i>	
Nano-bioglass: A Versatile Antidote for Bone Tissue Engineering Problems	2
<i>D. Durgalakshmi, S. P. Subhathirai, S. Balakumar</i>	
Effect of Complexing with Silica Nanoparticles on the Phototoxicity of Some Photosensitisers	9
<i>P. K. Gupta, K. Das, M. Sharma</i>	
Surface Enhanced Raman Scattering Studies of Silver-gold Normal and Inverted Core-shell Nanostructures on their Efficiency of Detecting Molecules	19
<i>Sakar Mohan, Ashokraja Chandra Sekar, Balakumar Subramanian</i>	
The Potential of Gold Nanoparticle Conjugates to Kill Cancer Cells in Culture	26
<i>B. J. S. Sanderson, R. Lam, J. Alharthi, J. Shapter</i>	
Microstructure and Biocompatibility of Gold-lanthanum Nanostrips	30
<i>Rebeka Rudolf, Tjasa Zupanc Hartner, Ivan Anzel, Sergej Tomic, Miodrag Colic</i>	
Synthesis and Characterization of Functionalied Iron Nanowires	42
<i>Wei-Syuan Lin, Hong-Ming Lin, Yeu-Kuang Hwu, Yuh-Jing Chiou</i>	
Author Index	