

## Special Issue

HEALING PROMOTERS AS THERAPEUTIC STRATEGIES FOR INJURIES  
AND MEDICAL SURGERIESIoannis Liakos <sup>1\*</sup>

## AIM AND SCOPE

Due to the high number of personal accidents, medical surgeries, haemorrhagic and inflammation cases there is a high demand on treatment of the related traumas. The healing process of the wounds usually involves four interrelated processes such as haemostasis, inflammation, proliferation and tissue remodelling. These processes and their biological function must occur at the proper sequence for a specific time and taking into account many factors either internal or external to avoid improper tissue repair. Oxygenation, antimicrobial resistance, infections, diabetes, medication, nutrition, lifestyle habits and environmental parameters influence the support of the healing process and need to be studied further. Novel smart materials that will transmit such properties to promote the healing development are necessary to be constructed. Effective healing agents incorporated into natural or synthetic materials for their drug delivery to the open tissues should be impelled and delivered for superior curative results. Natural based materials, plant derived pharmacies, proteins, peptides, polysaccharides and synthetic medicines incorporated in films, dressings, capsules, beads, nanoparticles, fibers and nanofibers, or other form of materials for optimal drug delivery will be considered as potential healing therapeutic approaches.

**Keywords:** *Healing promoters, Wound treatment, Open Surgery, Natural and Synthetic Drugs, Biomaterials, Nanoparticles, Drug Delivery.*

## SUBTOPICS

<b>1</b>	<b>Wound healing</b>	<b>4</b>	<b>Novel healing promoters</b>
<b>2</b>	<b>Wound dressings</b>	<b>5</b>	<b>Healing in open surgeries</b>
<b>3</b>	<b>Biointerfaces of healing promoters in materials</b>	<b>6</b>	<b>Internal and external factors influencing healing</b>

## SCHEDULE

Manuscript submission deadline	<b>15<sup>th</sup> October 2014</b>
Peer Review Due	<b>31<sup>st</sup> October 2014</b>
Revision Due	<b>15<sup>th</sup> November 2014</b>
Notification of acceptance by the Guest Editor	<b>30<sup>th</sup> November 2014</b>
Final manuscripts due	<b>15<sup>st</sup> December 2014</b>

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