

# HFSP Journal

## Table of Contents

Volume 15, Issue 8 — August 2021

---

### Research Articles

---

1.

#### **Preparation and Mechanism Study of a Novel, Environmentally Friendly Seed Coating Agent for Maize**

Defang Zeng, Zhao Fan, Wenjin Wang

*Keywords: seed coating agent, maize, polysaccharide polymer, antibiosis, insect repellent, enzyme activation, chlorophyll*

---

2.

#### **Vegetative Propagation of Tecoma stans: Influence of Shoot Position, Cutting Types, and Auxin Treatments**

Bhupendra Singh, JMS Rawat

*Keywords: Tecoma stans, vegetative propagation, rooting ability, auxin treatments, shoot cuttings*

---

3.

#### **Photodynamic Therapy Techniques in Cancer Treatment: Advances and Challenges**

Mohammad Reza Saboktakin, Roya Mahdavi Tabatabaei

*Keywords: Photodynamic therapy, Cancer treatment, Drug delivery systems, Photosensitizers, Nanoparticles*

---

4.

#### **Combining the Evidences of Temporal and Spectral Enhancement Techniques for Improving the Performance of Indian Language**

## **Identification System in the Presence of Time-Varying Noises**

Phani Kumar Polasi, K Sri Rama Krishna

*Keywords: Language Identification, Speech Enhancement, Gaussian Mixture Models, Temporal Processing, Spectral Subtraction*

---

**5.**

## **Indirect Biomimetic Restorations in Posterior Teeth: A Clinical Study of Main Principles - Case Series**

Angela Gusiyska

*Keywords: biomimetic restorations, posterior teeth, ceramic materials, dental esthetics, cavity design*

---

**6.**

## **Differential roles of calpains and the antifibrotic effect of calpeptin in postburn hypertrophic scar formation**

Cheong Hoon Seo, Hui Song Cui, June-Bum Kim

---

**7.**

## **Anti-scarring activity of a Gardos channel inhibitor in severe burn injuries**

Hui Song Cui, Ji Young Lee, Cheong Hoon Seo, June-Bum Kim

---

**8.**

## **A calpain inhibitor PD150606 reduces scar formation after deep thermal skin injuries**

Cheong Hoon Seo, Hui Song Cui, June-Bum Kim