

## **Publicaciones**

**Centro de Física Aplicada y Tecnología Avanzada de la UNAM  
(Informe de Actividades 2010-2011)**

**Dra. Genoveva Hernández Padrón**

### **pH-DRIVEN SYNTHESIS OF COLLAGEN-SILICA NANOPARTICLES**

C. García-Valdés, G. Hernández-Padrón, M.V. García-Garduño and V. M. Castaño  
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### **HYBRID MATERIALS CONSISTING OF SiO<sub>2</sub> NANOPARTICLES EMBEDDED IN EPOXY RESIN NETWORKS**

G. Hernández-Padrón\*, M. García-Garduño and F. Rojas-González  
Pigment and resin technology ,39(3)(2009) 1-5

### **ESTADO DEL ARTE DEL PROCESO SOL-GEL EN MÉXICO**

M. T. Ramírez-Palma, R. Huirache-Acuña, G. Espinosa-Acosta y G. Hernández-Padrón\*  
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### **NANOPARTICLES-BASED PHENOLIC-FORMALDEHIDE HYBRID RESINS**

G. Hernández-Padrón, M. García-Garduño, M. A. Canseco and V. Castaño  
ournal Nanoscience Nanotechnology ,8 (6)(2008) 3142-3145

### **COLLAGEN-GRAFTING OF NYLON FIBRES**

C. García-Valdés, G. Hernández-Padrón and V. M. Castaño  
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### **DEVELOPMENT AND TESTING OF ANTICORROSIVE SiO<sub>2</sub>/PHENOLIC-FORMALDEHYDIC RESIN COATINGS**

G. Hernández-Padrón, F. Rojas and V. Castaño  
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### **DEVELOPMENT AND SORPTION CHARACTERIZATION OF SOME MODEL MESOPOROUS AND MICROPOROUS SILICA ADSORBENTS**

J. M. Esparza, M. L. Ojeda, A. Campero, G. Hernández, C. Felipe, M. Asomoza, S. Cordero, I. Kornhauser and F. Rojas  
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### **ORDERED SiO<sub>2</sub>-PEHNOLICFORMALDEHYDE RESIN IN SITU NANOCOMPOSITE**

G. Hernández-Padrón. F. Rojas and V. Castaño  
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### **DEVELOPMENT OF HYBRID SUBSTRATA CONSISTING OF SILICA MICROPARTICLES EMBEDDED IN PHENOLIC-FORMALDEHYDIC RESIN POLYMER MATRICES**

G. Hernández-Padrón, F. Rojas, M. García-Garduño, M. A. Canseco and V. M. Castaño.  
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### **PREPARATION AND CHARACTERIZATION OF SiO<sub>2</sub>-FUNCTIONALIZED PHENOLIC RESIN HYBRID MATERIALS**

G. Hernández-Padrón, R. M. Lima, R. Nava, M. García-Garduño and V. Castaño.  
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**EFFECT OF DIFFERENT CATALYST ON SYNTHESIS OF  
BIS(2HYDROXYETHYL)TEREFTALATE**

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**ADSORPTION PROPERTIES OF SILICA SOLS MODIFIED WITH TIOL GROUPS**

G. Hernández and R. Rodríguez.

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**SINTESIS DE CaZrO<sub>3</sub> UTILIZANDO MICROONDAS COMO FUENTE DE ENERGIA**

Idalia Gómez, Juan Aguilar y Genoveva Hernández

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**MECHANICAL PROPERTIES OF THE COMPOSITE ASPHALT-STYRENE-BUTADIENE  
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G. Hernández, R. Rodríguez, R. Blanco and V. M. Castaño

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**PERCOLATION MODELLIING OF THE MECHANICAL BEHAVIOR OF THE COMPOSITE  
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**MECHANICAL CHARACTERIZATION OF THE POLYBUTADIENE- CELLULOSE DIACETATE  
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**MORPHOLOGICAL CHARACTERIZATION OF POLYBUTADIENE-CELLULOSE DIACETATE  
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