

CONTENTS

	page
1 Nguyen Thi Kim An, Ngo Dai Quang, Pham Quoc Long, Tran Thi Thu Thuy - Cytotoxic xanthonoids from the stem bark of <i>Garcinia hanburyi</i> collected in Viet Nam.	133
2 Tran Duc Tuong, Duong Xuan Chu, Bui Thi Minh Dieu - Antioxidant activity of fruiting body extracts from <i>Pycnoporus sanguineus</i> mushroom.	143
3 Dao Viet Thang, Nguyen Manh Hung, Bui Thi Thu, Le Thi Mai Oanh, Bui Dinh Tu, Nguyen Van Minh - Structural, magnetic and electrical properties of Ho and Ni co-doped BiFeO ₃ materials.	152
4 Hoang Thi Hong Cam, Trinh Duc Anh, Pham Thanh Binh, Pham Van Dai, Nguyen Thuy Van, Pham Van Hoi - SOI photonic crystal waveguides operating in telecommunication range for integrated circuits.	161
5 L. Q. Duong, N. V. Quang, D. H. Nguyen - Far-red emission of CaYAlO ₄ :Mn ⁴⁺ synthesized by co-precipitation method.	168
6 Anh Tuan Thanh Pham, Ly Thi Trinh, Ngoc Kim Pham, Truong Huu Nguyen, Dung Van Hoang, Hoa Thi Lai, Hanh Kieu Thi Ta, Thu Bao Nguyen Le, Ngoc Van Le, Vinh Cao Tran, Thang Bach Phan - Effect of 0.5 at.% indium addition on thermoelectric properties of Gallium doped-zinc oxide bulk.	175
7 Nguyen Hong Hanh, Lai Van Duy, Chu Manh Hung, Nguyen Van Duy, Nguyen Van Hieu, Nguyen Duc Hoa - Synthesis of octahedron Zn ₂ SnO ₄ by hydrothermal method for high performance ethanol sensor.	181
8 Nguyen Xuan Thai, Nguyen Van Duy, Nguyen Duc Hoa, Chu Manh Hung, Hugo Nguyen, Nguyen Van Hieu - Gas sensor array based on tin oxide nano structure for volatile organic compounds detection.	189
9 Anh Tuan Thanh Pham, Phuong Thi Nguyen, Thang Bach Phan, Vinh Cao Tran - Study on fluorination and hydrogenation in transparent conducting zinc oxide thin films.	197
10 Nguyen Thanh Vinh, Vu Ngoc Phan, Man Hoai Nam, Le Anh Tuan, Nguyen Van Quy - NO ₂ gas sensor based on QCM coated with iron oxide nanorods.	204
11 Truong Xuan Nguyen, Ca Xuan Nguyen, Tung Thanh Nguyen, Vuong Van Nguyen - Effect of pre-alloy composition on the content of ferromagnetic phase of MnBi melt spun ribbons.	212
12 Nguyen Thi Phuong, Nguyen Thuy Chinh, Vu Quoc Manh, Thai Hoang, Vu Quoc Trung - Some characteristics and allopurinol release of carrageenan/allopurinol films using polyethylene oxide as a dispersion aid agent.	219
13 Dao Phi Hung, Vo An Quan, Trinh Van Thanh, Nguyen Anh Hiep, Nguyen Thien Vuong, Mac Van Phuc - Mechanical, thermal properties and morphology of composite coating based on acrylic emulsion polymer and graphene oxide.	228
14 Tran Van Huynh, Bui Son Tung, Bui Xuan Khuyen, Vu Dinh Lam, Nguyen Thanh Tung - Characterization of a symmetric fishnet metamaterial in the M-band.	237

- 15 **Cao Xuan Viet, Nguyen Thi Le Thanh, Du Ngoc Uy Lan** - Synthesis and blend of bio-based benzoxazines from cardanol and diphenolic acid. 246
- 16 **Kim-Bang Tran, Quang-Sang Nguyen, Tich-Thien Truong** - Creep analysis of concrete columns by using finite element method. 256