

Content

		Page
Schedule		i
Content		ii
Analytical Chemistry		
PA-1	The Synthesis of Metal/PDDA/rGO Catalyst for Detection of Nitrite <u>Aunyarut Paisanpisuttisin</u> , Chaiya Prasittichai and Wilai Siriwatcharapiboon*	1
PA-2	Simultaneous determination of <i>p</i>-coumaric acid and naringenin in honey using dispersible liquid-liquid microextraction and high performance liquid chromatography <u>Korbkarn Khukitirat</u> , Pongsak Lowmunkhong, Somyote Sutthivaiyakit, Pakawadee Sutthivaiyakit*	2
PA-3	Highly sensitive electrochemical capsaicin sensor based on polyaniline-derived N-doped mesoporous carbon <u>Pathaporn Temcheon</u> , Wilai Siriwatcharapiboon, Panitat Hasin, Orapin Chienthavorn*	3
PA-4	Paper-based ammonia gas sensor using zinc complex of Eriochrome Black T and digital image analysis <u>Supa Sangdang</u> , Pongsak Lowmunkhong, Pakawadee Sutthivaiyakit*	4
PA-5	Extraction of phenol using poly(styrene-co-divinylbenzene) monolithic bead <u>Yaowalak Wimanthong</u> , Orapin Chienthavorn*	5
Inorganic Chemistry		
PIN-1	Preparation and characterization of nanodot MoS₂ @ 3DOM TiO₂ composites <u>Navapat Krobkrong</u> , Thammanoon Thaweechai, Weekit Sirisaksoontorn*	6
PIN-2	Inhibition of photocatalytic activity of basic blue-41 by ZnO modified surface with amino silane <u>Supasin Limsapapkasiphon</u> , Weekit Sirisaksoontorn and Apisit Songsasen*	7
Organic Chemistry		
PO-1	Total Synthesis of Melonenine A <u>Adisak Thanetchaiyakup</u> , Hassayaporn Rattanarat and Paiboon Ngermmeesri*	8
PO-2	Searching for a new environmentally-friendly botanical insecticide from Thai plants <u>Anchulee Pengsook</u> , Vasakorn Bullangpoti, and Wanchai Pluempanupat*	9
PO-3	Chemical Constituents and Biological Activities of the Fruits of <i>Piper retrofractum</i> and Structure Modification <u>Atcharee Ratwatthananon</u> , Vasakorn Bullangpoti, and Wanchai Pluempanupat*	10
PO-4	The Barton ester free-radical reaction to synthesize naphthoquinone derivatives <u>Chaiyawat Aonsri</u> and Witcha Imaram*	11

	Page
PO-5 A new method for the preparation of aryl halides from phenols by nucleophilic aromatic substitution <i>Korakot Saowalak, Parinthorn Temyarasilp, Wanchai Pluempanupat*</i>	12
PO-6 Synthesis of substituted benzoxepino[3,2-<i>b</i>]pyridines and their <i>N</i>-oxide derivatives <i>Phanida Thongaram and Paiboon Ngermmeesri*</i>	13
PO-7 Toward the Total Synthesis of Anti-HIV Waltherione C <i>Pondpavee Taweesak, Watthanapong Khamphaya and Paiboon Ngermmeesri*</i>	14
PO-8 Synthesis and anticancer activity evaluations of 2,3-arylpyridylindoles <i>Pongtai Chaiputtanapun and Pitak Chuawong*</i>	15
PO-9 Anthraquinones and Gallic Acid Derivatives from the Roots of <i>Morinda scabrida</i> <i>Sorachai Sae-lim and Pitak Chuawong*</i>	16
Physical Chemistry	
PP-1 Substituent Effect on Photophysical Properties of Salicylidene Schiff Base and Its Derivatives as Colorimetric Dyes: A TD-DFT Study <i>Amonchat Koonwong, Suwannee Sriyab, Supa Hannongbua, Songwut Suramitr*</i>	17
PP-2 Studies of Sildenafil and Phosphodiesterase type 5 binding properties using by computational methods <i>Bunpot Intarathat, Autchara Namkhaw, Supawadee Srinimnuan, Supa Hannongbua and Patchreenart Saparpakorn*</i>	18
PP-3 Theoretical study of twisted intramolecular charge transfer and intermolecular double proton transfer in the excited state of <i>N,N'</i>-bis(salicylidene)-<i>p</i>-phenylenediamine Schiff base <i>Nichakan Miengmern, Supa Hannongbua, Songwut Suramitr*</i>	19
PP-4 Mechanistic Investigation of the Uncatalyzed Self-Esterification Reaction of <i>L</i>-Lactic Acid: A DFT Study <i>Prachayapreaut Pengthong, Supawadee Namuangruk, Tanin Nanok*</i>	20
PP-5 Computational Studies of The Adsorption of Human Defensin 5 on Bacterial Membranes <i>Tadsanee Awang and Prapasiri Pongprayoon*</i>	21
PP-6 Theoretical study for absorption spectra and activity of <i>s</i>-tetrazine derivatives on the [4+2] Diels-Alder cycloaddition reaction with ethylene <i>Patipan Charoenwiangnuea*, G. Tumcharern, Pipat Khongpracha, Supawadee Namuangruk</i>	22

Author Index