Name : DR NOR ASMA AB RAZAK

Position : Research Officer Q47

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Field of expertise : Biotechnologist, Bioprocess engineering, Biopolymer, Nutraceutical, Food Science

Research Interests:

I am a biotechnologist with master degree in environmental biotechnologies and Doctor of philosophy in bioprocess engineering. Through experience and knowledge, the aims is expanding biotechnology skill through producing value added products and functional foods from environment especially by using agro-waste and herbs.

List of Publications: H index = 2

1. Ammar Akram Kamarudin , Norazalina Saad , Nor Hafiza Sayuti , **Nor Asma Ab. Razak**, Norhaizan Mohd. Esa, 2020. Enhancement of Phenolics and Antioxidant Activity via Heat Assisted Extraction From Moringa oleifera Using Response Surface Methodology and Its Potential Bioactive Constituent. Malaysian Journal of Medicine and Health Sciences. 16(2), 83-90
2. Nor Hafiza Sayuti ,Ammar Akram Kamarudin , **Nor Asma Ab. Razak** , Norazalina Saad, Mohd Sabri Pak Dek, Norhaizan Mohd Esa 2020. Optimized Aqueous Extraction Conditions for Maximal Phenolics, Flavonoids and Antioxidant Capacity from Artocarpus heterophyllus (Jackfruit) Leaves by Response Surface Methodology (RSM). Malaysian Journal of Medicine and Health Sciences. 16(2), 135-144
3. A.Ishak, **N.A.A. Razak**, M. S. P. Dek and A. S. Baharuddin 2020. Production of high tannin content and antioxidant activity extract from an unripe peel of Musa acuminata (Cavendish) using ultrasound-assisted extraction (UAE). BioResources 15(1). 1877-1893
4. A.A. Kamarudin, N. M. Esa, N. Saad, N. H. Sayuti, **N. A. A. Razak** 2020. Heat assisted extraction of phenolic compounds from Eleutherine bulbosa (Mill.) bulb and its bioactive profile using response surface methodology. Industrial crops and products.144
5. A.Ishak, A. S. Baharuddin, **N.A.A. Razak**. 2019. Extraction of tannin and antioxidant activities from Musa acuminata cv. Cavendish peel by using various solvent. Asia Pacific Journal of Molecular Biology and Biotechnology (APJMBB) 27(2) 98
6. A. S. Baharuddin, **N.A.A. Razak**, N. A. Abd-Rahman, B. Satiawihardja, Y. Shirai, M.A. Hassan. 2009. Bioconversion of oil empty fruit bunch by Aspergillus niger EB4 under solid substrate fermentation utilization Pertanika Journal of Tropical Agriculture Science (JTAS/0105/2008) 32(2). 143-151
7. S. Abd-Aziz, **N.A.A. Razak**, M. H. Musa, M.A. Hassan. 2009. Production of mannan-degrading enzymes from *Aspergillus niger* and *Sclerotium rolfsii* using palm kernel cake as a carbon source Research Journal of Environmental Sciences. 3(2).252-256

List of Grants:

1. Anti-adipogenic and hypocholesterolemic properties of edible bird nest (EBN) - rich fraction in in vitro study.1-Aug-17until 31/2/2020 PI. Grant Putra Muda RM50,000
2. Anticancer Potential of Moringa oleifera on Ocular Cancer. 1-Sep-17 until 29-Feb-20. Co-PI. Grant Putra Berimpak RM79,000
3. Adding value to banana waste by subcritical water extraction for isolation of phenolic compounds as antidiabetic agent1-Jun-16 unti 1-Jun-18. Co-PI Grant Putra Muda RM60,000.00

List of Patent:

1. SP/P1937/UPM/09/SL. A method for recovering an Intracellular Polyhydroxyalkanoates (PHA).2011