

## Contents

	Page
<b>Mya Thandar Aung, Phyu Phyu Myint, Yin Yin Myint, Ni Ni Than,</b> Comparative Study of Phytochemical Constituents and Antioxidant and Anti-Proliferative Activities of Rhizomes of <i>Dioscorea alata</i> L. and Fruits of <i>Piper longum</i> L.	1653
<b>Myat Lay Nwe, Tin Kyaw Oo, Ni Ni Linn,</b> Phytoremediator: Removal of Heavy Metals from Synthetic Aqueous Solution by Water Hyacinth ( <i>Eichhornia Crassipes</i> )	1659
<b>Myint Myint Htwe, Zin Thu Aye Kyaw, Hla Ngwe,</b> A Study on Antioxidant Activity of Bergenin and its Derivative from the Bark of <i>Peltophorum pterocarpum</i> (DC.) K. Heyne (Pan-mèzali)	1667
<b>Myint Myint Khin, Thidar Seint, Ni Ni Than,</b> Some Bioactivities Screening and Extraction of Essential Oil from <i>Valeriana officinalis</i> L. (Kantbalu)	1675
<b>Myint Myint Khine , Kyaw Thu,</b> Study on Phytoconstituents and Bioactive Properties of Stem Lettuce ( <i>Lactuca Sativa</i> )	1680
<b>Myint Myint Kyi, Zin Mar Aung,</b> Phytochemicals, Nutritional Values and Antioxidant Activity From the Roots of <i>Ipomoea batatas</i> L. (Sweet Potato)	1687
<b>Myo Min, Pyae Phyo Aung, May Thi Oo,</b> Phytochemical, Physicochemical and Antioxidant Properties of Orange ( <i>Citrus sinensis</i> L.) Peel	1695
<b>Myo Myint Aung, Khaing Zaw Win, Moe Nwe,</b> Leaf-Extract- Mediated Green Synthesis of Silver Nanoparticles (AgNps) Colloids Using <i>Amherstianobilis</i> leaf Extract and Their Antibacterial Activities	1702
<b>Ni Ni Pe, Thida Khaing, Khaing Thazin Kyaw,</b> Investigation on the Nutritional values, Antimicrobial Activity and Antioxidant activity from Seed of <i>Ginkgo biloba</i> Linn.	1708
<b>Nwe Ni Hlaing, Aye Aye New,</b> Screening on the Phytochemical Constituents, Total Phenol Contents and Antioxidant Potency of Flowers and Pseudostems of <i>Aeginetia indica</i> Linn. (Kauk-hlaing-ti)	1717
<b>Nwe Nwe Aung, Sanda Myint, Cho Cho, Ni Ni Than,</b> Preparation and Characterization of Natural Food Dye (Red Powder) Extracted from <i>Amarathus spinosus</i> linn. (Hin- nu-nwe-su-pauk)	1725
<b>Nyein Nyein Htwe,</b> Screening of Nutritional Values and Some Pharmacological Activities of <i>Hylocereus Undatus</i> (Haw.) Britton & Rosefruit	1733
<b>Nyo Nyo Win, San Yu Khaing, Yi Yi Htay,</b> Determination of Some Nutritional Values, Antioxidant Activity and Elemental Compositions of <i>Terminaliacatappa</i> L.(Banda) Seeds	1741
<b>Ohnmar Aung, Win Win Than, Naw Thale Wah,</b> Nutritional Compositions and Antimicrobial Activity of <i>Cymbopogon citratus</i> Stapf. (Lemongrass)	1747
<b>Pa Pa San, Khaing Wai Yi Kyaw,</b> Isolation, Structure Identification and Antimicrobial Activity of $\beta$ -Sitosterol Compound from the Bark of <i>Acacia leucophloea</i> Willd. (Hta-naung)	1754
<b>Phyu Phyu Lwin, Swe Zin Myint, San San Htay,</b> A Study on the Improvement of Cement Quality by Extract Silica From Rice Husk	1760
<b>Pyae Phyo Nwe, Myo Min, Myint Myint Khine,</b> Investigation of Some Bioactivities of <i>Hedychium coronarium</i> J. Koenig (Ngwe-pan) Rhizome and Leaves	1766
<b>San San Aye, Ye Zaw Phyo, Ni Ni Than,</b> Antimicrobial Activity, Antioxidant Capacity and Chemical Investigation of <i>Euphorbia Milii</i> Var. Splendens Flower	1773

<b>San San Aye, Khin Myo Myint Tun,</b> A Study on the Phytochemical Investigation, Nutritional Values, Elemental Analysis and Antimicrobial Activity of <i>Dendrocalamus longispathus</i> Kurz (Bamboo) Leaves	1778
<b>San San Htay, Phyu Phyu Lwin, Swe Zin Myint,</b> Determination of Phytochemical Constituents and <i>Oxalis Corniculata</i> Linn.(Hmo-na-do) By Thin Layer Chromatography Method and Its Nutritional Values	1785
<b>San San Win, Htay Htay Nwe, Than Than Sein,</b> Green Synthesis and Characterization of Silver Nanoparticles by Leaf Extract of <i>Andrographis paniculata</i> (Burm.f.) Nees	1798
<b>Sandar Aye, Thwe Linn Ko, Cho Cho Oo,</b> Preparation of Brandy from Pomelo Wine and Its Physico-chemical Characteristics	1802
<b>Sandar Moe, Yuzana Hmwe,</b> Chemical Constituents and Antioxidant Activity of Lemon Peel Extracts	1808
<b>Saw Nandar Oo, Myo Min,</b> Extraction and Identification of Essential Oil from Cloves ( <i>Syzygium aromaticum</i> L.) and Its Antimicrobial Activity	1815
<b>Saw Thandar, Thin Thin Win,</b> Production and Identification of Glucose from Rice Straw by Hydrolyzing with Cellulase Extracted from <i>Lycopersiconesculentum</i> Mill. (Tomato) Fruit	1822
<b>Saw Win, Win Win Nu, Myint Sandar Win,</b> Optimization of Pressing Time For the Quality Grade Fiberboard Made From Agro-Waste Coconut Coir Fiber	1830
<b>Saytanar Tun, Mai Shoon Lae Yi Thwin, Khin Aye May,</b> A Study on Antimicrobial Activity of Prepared Silver Nanoparticles using <i>Ixora coccinea</i> L. Leaf Extract	1837
<b>Soe Tun Myaing, Thwe War Aung, Thein Tun Aung,</b> Determination of Elemental Analysis and Acute Toxicity of Stem Bark of <i>Crataeva religiosa</i> Forst.	1844
<b>Su Lay Yee, Tin Tin Myo, Khin Myo Myint,</b> Study on Effect of Chitosan Oligosaccharide Fertilizer in Cultivation of <i>Piper Betle</i> L.(Betel Vine)	1852
<b>Swe Zin Myint, San San Htay, Phyu Phyu Lwin,</b> Investigation of Chemical Constituents and Bioactivities of Essential Oil Extracted from the Peel of <i>Citrus limon</i> Linn. (Than-pa-yo)	1860
<b>Shwe Sin, Aye Mon Thwe, Thi Thi Mar, Khin Myint,</b> A Potent Ingredient ( <i>Plumbago rosea</i> Linn) of Myanmar Traditional Formulation Medicines	1868
<b>Than Htike, Htay Htay Myint, Aye Aye Khaing,</b> Removal of Lead from Lead II Nitrate Solution Using Coconut Mesocarp	1874
<b>Than Than Aye,</b> Evaluation of the Effectiveness of Bamboo Leaves on the Textile Mill Effluents	1880
<b>Than Than Cho, Soe Soe Myint, Yin Yin Myat,</b> Investigation on Some of the Chemical Constituents and Antioxidant Activity of <i>Physalis minima</i> L. (Wild Gooseberry)	1887
<b>Than Than Nu,</b> Investigation of Antimicrobial Activity and Isolation of Phytoconstituents from Leaves of <i>Clausena excavata</i> Burm.f. (Pyin-daw-thein)	1893
<b>Thanda Aung, May Shine Nyunt Oo, Ni Ni Than,</b> Phytochemical Investigation and Screening of Some Bioactivities of Roots of <i>Cocculus Hirsutus</i> (L.) Diels(Kywetnabaung)	1902
<b>Thazin Nyo,</b> Studies on the Effect of Fertilizer Prepared from Rice Husk Ash and Tea Residue	1910

<b>Thi Thi Aung, Yin Yin Myat, Myint Myint Mar, Khine Khine Kyu,</b> Nutritional Compositions, Elemental Compositions and Antinutrient Factor in Different Varieties of Water Lily	1917
<b>Thida Kyaw, Khin Nann Nyunt Swe, Thida Tin,</b> Investigation of Nutritional Composition and Ascorbic Acid Retention in <i>Brassica oleracea</i> L.	1923
<b>Thidar Khaing, Khin Htay Win, Htun Htun Naing,</b> Evaluation of Important Parameters of <i>Ficus racemosa</i> L.	1930
<b>Thin Thin Hlaing, Khin Thet Thet Htwe, Kalyar Min Min Htike,</b> A Study of The Some Physicochemical Properties of Water Sample from Ngamoeyeik Creek near North Okkalapa Township and Treated with Abstract <i>Moringa oleifera</i> L. (Dant-da-lun) Seeds	1937
<b>Thin Thin Sint, Aye Aye Tun, Maung Maung Htay,</b> Evaluation of Antipyretic Activity and Structural Identification of Chemical Constituent from the Bark of <i>Plumeria acutifolia</i> Poir. (Tayoke Saga)	1944
<b>Thin Thin Win, Saw Thandar,</b> Identification of Isolated Curcumin from Rhizomes of <i>Curcuma longa</i> L. (Na-nwin) and Investigation of Antimicrobial Activity of the Various Crude Extracts	1953
<b>Thwe War Aung, Soe Tun Myaing, Thida Tun,</b> Isolation and Characterization of Protease Enzyme from Leaves of <i>Moringaoleifera</i> Lamk. (Dant-da-lun)	1961
<b>Tin Htwe Mu,</b> Removal of toxic metals ( $Cd^{2+}$ and $Pb^{2+}$ ) from wastewater on study of adsorption isotherm by using activated peanut hull	1968
<b>Tin Ma Ma Pyone,</b> Study on Nutritional Values and Elemental Contents of Tea Leaves Samples (Local Made)	1977
<b>Tin Moe Khaing, Khin Khin Shwe,</b> Extraction, Identification and antimicrobial screening of essential oils from <i>Cymbopogoncitratrus</i> Stapf. (Lemongrass)	1984
<b>Tin Tin Moe, Mar Pi Myint, Khin Maung Chin,</b> Investigation on Antioxidant, Antimicrobial, Glucose Lowering Activities and Acute Toxicity Study of Leaves of <i>Morinda citrifolia</i> Linn	1992
<b>Toe Toe Khaing, Hla Myint Htwe, Moe Myat Myat,</b> Study on Antibacterial Activity of Synthesized Silver Nanoparticles Using Guava Leaf Extract	1999
<b>Toe Toe Lwin, Htwe Pa Pa Pyone,</b> A Study on Characteristics of Mutant Tomato ( <i>Lycopersicum esculentus</i> L.) Seed by Gamama Irradiation	2005
<b>Tu Tu Wai, Kalaya Lu,</b> Determination of Antimicrobial Activities of Essential Oil Extracted from Flowers of <i>Calophyllum amoenum</i> Wall.	2011
<b>War War Nyein,</b> Studies on Some Nutritional Values of Water Spinach <i>Ipomoea aquatic</i> Forssk	2019
<b>Win Win Khaing, ThidaTin, San San Win,</b> Potent Antioxidant Activity of <i>Cassia siamea</i> Flowers and Adsorption Capacity of Dried Leaves of <i>Cassia siamea</i> Lam.	2027
<b>Yin Yin Myint, Naw Yadanar Htwe, Kay Zin Hlaing, Thwe Thwe Oo,</b> Determination of Total Phenolic Contentsand Total Flavonoid Contents of Crude Extracts from Selected Three Medicinal Plants	2035
<b>Yinn Kay Khaing, Khin Htay Win, Thidar Khaing, Ni Ni Aung,</b> Green Synthesis of Copper Oxide Nanoparticles Using <i>Tadehagitriquetrum</i> (L.) H. Ohashi Leaf Extract and It's Characterization	2043

<b>Zar Che Win, Khin Thet Ni, Khin Hnin Aye,</b> Investigationon the Preparation of Bamboo Charcoal Using White Charcoal Process by Different Kilns	2050
<b>Zin Thu Khaing, Y-Mon San Aung, Ye Myint Aung,</b> A Comparative Study of Phytochemical Constituents and Antioxidant Activities of Rhizomes of <i>Curcuma aeruginosa</i> Roxb. and <i>Kaempferia parviflora</i> Wall.	2059
<b>Ho-jong Ju,</b> The development of reverse transcription loop-mediated isothermal amplification (RT-LAMP) assay for rapid diagnosis of <i>Pepper mild mottle virus</i>	2068