

29th Youth Science Conference (YSC) Results

Science Mentorship Programme (SMP) Projects

S/n	Name of Students	Project Title	Award	Teacher Mentor
1	Yang Wangyi (S3-10), Claire-Leia Ng Shean Ee (Wu Xuanyi) (S3-01) and Wong Zhi Ning (S3-10)	Evaluating the Cradle-to-Grave Environmental Sustainability of Green Solvents of Pharmaceuticals by Life Cycle Assessments	Participation	Ms Cheong Szu Chuang
2	Yan Yu En (S3-03), Chong Chloe Nouf (S3-14) and Zhang Youxin (S3-11)	Synthesis of Magnetic Iron Oxide	Participation	Ms Cheong Szu Chuang
3	Janhvi (S3-06), Jiang Yilin Corrine (S3-05) and Liu Xiting (S3-11)	Synthesis of Magnetic Iron Oxide	Merit	Ms Cheong Szu Chuang
4	Angelise Lim Linxuan (S3-12), Ho Wan Hoon (He Wanyun) Charlotte (S3-12) and Tan Yan Wai Dayna (S3-11)	Design and Build Smart Tea-Maker	Participation	Ms Cheong Szu Chuang
5	Chloe Laetitia Lim (S3-13) and Gu Yi Ting (S3-11)	Natural Polymers as Treatment Agents for Water Remediation	Participation	Ms Cheong Szu Chuang
6	Hasini Senthilnathan (S3-04), Li XInghe (S3-05) and Xiang Siyue (S3-09)	Development of an Intelligent System for Monitoring Birds' Health in the new Mandai Bird Park	Participation	Ms Carmen Hoo
7	Victoria Teo Yue Tong (S3-03), Qiu Xiaoxuan (S3-03) and Tay Jenn Yin (S4-07)	Development of an Intelligent System for Glaucoma using Virtual Reality and Data Analytics	Participation	Ms Carmen Hoo
8	Bhattacharyya Atreyi (S3-06), Shannon Chia (S3-13) and Kay Ng (Huang Kaixin) (S3-04)	Expansion of Non-Mobilised Peripheral Blood Haemopoetic Stem and Progenitor Cells for Transportation	Distinction	Ms Carmen Hoo

School-Based Science Mentorship Programme (SB-SMP) Projects

S/n	Name of Students	Project Title	Award	Teacher Mentor
1	Pandian Mallikasree (S2-04), Chai Chang Xuan Cheryl (S2-09) and Soh Kit-Ann (S2-09)	Development of bioplastic to replace synthetic plastics	Participation	Dr Prama Sundari
2	Tay Yee Teng Gwyneth (Zheng Yiting) (S2-11), Jovelynn Kung Jielin (S2-12) and Lin Zixin (S2-12)	Investigation of antibacterial activity of Neem (<i>Azadirachta indica</i>) leaves and Garlic (<i>Allium sativum</i>) on <i>Escherichia coli</i> (<i>E.coli</i>) bacteria	Distinction	Dr Prama Sundari
3	Nur Aqilah Binte Abdul Rani (S2-07), Huang Qian (S2-07) and Qin Yinuo (S2-07)	Effect of Water Acidity on Plant Growth	Distinction	Dr Prama Sundari
4	Rachael Ang Kang Hui (S2-01), Yu Youran Serena (S2-01) and Clara Kho (S2-05)	Cultivation of Lupin Tempeh with <i>Rhizopus oligosporus</i> at different temperatures	Merit	Dr Prama Sundari
5	Fu Qingquan (S2-01), Cheng Ngee Hui (Zhong Yifei) (S2-01) and Lee Yu Xuan Meryl (S2-01)	Effect of coagulation temperature on the firmness of tofu	Participation	Dr Prama Sundari
6	Jovina Cheong (S2-03), Nipuna Vaitheeshwaran (S2-03) and Tania Raj Kanna (S2-03)	Effects of Abiotic Factors on Bird Biodiversity in Bishan-Ang Mo Kio Park	Participation	Mr Tan Ying Yang
7	Chia Xue-Er Cheryl (S2-04), Lakshana Rajaduraj (S2-04) and Tomar Anyanya (S2-12)	Tree health and diversity of tree species in Bishan-Ang Mo Kio Park	Participation	Mr Tan Ying Yang
8	Kwang Yan Chih (Guan Enqi) (S2-07), Ifza Nasim (S2-12) and Tan Shi Han (S2-12)	Comparison of Bird Diversity in Bishan-Ang Mo Kio Park and Raffles Girls School	Participation	Mr Tan Ying Yang
9	Isha Thashin (S2-03), Isabelle Clara Lee Yan (S2-08) and Wang Yuxin (S2-08)	Factors affecting abundance and distribution of <i>Papilio demoleus</i> in Bishan-Ang Mo Kio Park	Participation	Mr Tan Ying Yang
10	Chieu Le Xuan (S2-01), Dai Zi Han (S2-11) and Bridget Wu Min Qi (S2-12)	Tree Health in Bishan-Ang Mo Kio Park	Participation	Mr Tan Ying Yang

11	Jin Zhiyan Eva (S2-01), Clara Tong Rui Sze (S2-03) and Hannah Sin (S2-09)	Investigating the bioactive compounds present in Lion's mane mushroom	Participation	Dr Lim Ai Khim
12	Lee Sio Huang (S2-03), Ranita Bernadette D'Souza (S2-03) and Lei Ruining (S2-04)	Supplementation of Lion's Mane Mushroom in the diet of Alzheimer <i>Drosophila melanogaster</i>	Participation	Dr Lim Ai Khim
13	Poh Yu Xuan (S2-02), Feng Chenyu (S2-11) and Liu Yixi (S2-11)	Supplementation of krill oil as treatment for β - <i>amyloid</i> accumulation in <i>Drosophila melanogaster</i> with Alzheimer's disease	Merit	Dr Lim Ai Khim
14	Varadha Raj Harsshitha (S2-01), B Aaradhana (S2-02) and Choe Kah Ning Celeste (Cao Jianing) (S2-10)	Growth control of algae in freshwater ponds using materials made from seafood shells	Participation	Mr Chan Sau Siong
15	Ang Zi Ting (S2-08), Guo Yueyang (S2-08) and Klarisse Ng Shee Chin (Huang Shiqing) (S2-08)	Limiting the growth of algae using materials generated from dead leaves.	Distinction	Mr Chan Sau Siong
16	Akshara Suresh (S3-05), Lim Yan Jun (S3-09) and Sarah Lim Ying Shuen (S3-09)	Feasibility of a Construction of a Formaldehyde Air Filter Using Corn Silk	Distinction	Mr Chan Sau Siong
17	Gayathri Manikandan (S3-08) and Zhou Linxuan Sophia (S3-14)	Study of effectiveness of banana leaves as an air filter for indoor air pollutants	Participation	Mr Chan Sau Siong