

Research Project Component of SISC 2007 Award Winners

| Proj Code | Project Title | Name | School | Award |
|-----------|---|---|---|-----------------------|
| 28 | Anti-Microbial Properties of Natural Extracts against E.Coli and M.luteus | 1. Goh Wei Leong 2. Li Jianrui | Hwa Chong Institution | Best Research project |
| 7 | Research about the maternal identification of fruit bats | Peng Cheng | Beijing High School Four | Distinction |
| 31 | Predicting Global Climate with Energy-Balance Models | Renan Gross | Israel Arts and Science Academy School (IASA) | Distinction |
| 44 | Genetic and Molecular Identification of a Novel Gene Required for Cytokinesis in Drosophila Melanogaster | Lee Jia Wei Audrey | National Junior College | Distinction |
| 54 | A study on the morphology, behaviour and physiology of two species of tropical limpets, Patelloida Saccharinoides and Siphonaria Guamensis in relation to their distribution patterns at Labrador and Changi Beaches, Singapore | Samuel Lim Yong Peng | Raffles Institution | Distinction |
| 57 | Design and Control of an Omni-directional Mobile Robot | 1. Fock Chin Yue 2. Eu Kar Mun 3. Cao Xu Wen | Raffles Junior College | Distinction |
| 62 | Span and Edge-Span of T-Colourings on Graphs | Lim Jun Ren | Raffles Junior College | Distinction |
| 65 | Switching off lights on rectangular matrix $m \times n$ under special conditions | Blinov Andrew | School for Science-Gifted Students "Intellectual" | Distinction |
| 82 | Molecular Analysis of HCT116 | Wang Han Teng | Victoria Junior College | Distinction |
| 83 | Searching for Sense-Antisense Regulation in Yeast | Chan Ng Poh Lin Pauline | Victoria Junior College | Distinction |
| 9 | HIV/AIDS in Brazil: A Kinetic Analysis of HIV-F | Matthew Valle Holt | Canterbury School, Fort Myers, Florida | Merit |
| 3 | The Study of Archimedean Solids | Xiang Wang | Beijing High School Four | Merit |
| 33 | The identification and functional studies of cell-migration-related of genes | 1. Choi SungJin 2. Ku KangHee 3. Woo YoungSik | Korea Science Academy (KSA) | Merit |

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| 34 | Environment-friendly Degradation of Toxic Pollutants by Using Chlorophylls | 1. Yea, Chang Whan 2. Jo, Yeara | Korean Minjok Leadership Academy (KMLA) | Merit |
| 41 | Synthesis of hyaluronic acid-flavonoid conjugates and their biomedical applications | Wu Duo | National Junior College | Merit |
| 42 | Effects of Tensile Stress on the Formation and Growth of Nickel Monosilicide (NiSi) using thin Ni film on Si (001) – Pair Project | 1. Stella Rizalina Sasha 2. Lin Ern Sheong | National Junior College | Merit |
| 43 | Studying the Effects of To12 on Two Transgenic <i>Danio rerio</i> Lines; ET33 and ET33E20 | Dai Yi Song | National Junior College | Merit |
| 46 | Effect of concentration of reagent and polyelectrolyte (Sodium Polyacrylic Acid (PAANA)), and conductivity, on the rheology of colloidal substance Titanium (IV) Oxide across a range of pH values | 1. Koh Huan Chin 2. Tan Chun Yue | Raffles Girls' School | Merit |
| 55 | A Review of Interference, Diffraction And Crystallography Techniques | Amyas Chew Weng Khin | Raffles Institution | Merit |
| 61 | Cytotoxicity and Anti-Quorum Sensing Activity from Marine Organisms | 1. Chan Wai Hong Ronald 2. Yap Chuan Sheng Sean | Raffles Junior College | Merit |
| 67 | The Impact of Iron and Molybdenum Concentration on Hydrogen Production in the Photosynthetic Bacterium Rhodospirillum rubrum SH-2 and Hydrogen Production using waste water from the vinegar factory | Zhu Yichen | Shanghai High School (SHSID) | Merit |
| 69 | Improving the Efficiency of Automatic Doors using Vision Technology | Wu Qingyuan | Shanghai High School (SHSID) | Merit |
| 70 | The Design of a Foot-traffic Powered Oxygenating Bridge on the Campus | Yu Bowen | Shanghai High School (SHSID) | Merit |
| 71 | A Novel Design for Accident-resistant Roadside Fire Hydrants Using Modular Construction | Yu Zhijie | Shanghai High School (SHSID) | Merit |
| 72 | Induction of a heat-tolerant antibacterial agent in <i>Drosophila melanogaster</i> | Hou Jiayi | Shanghai High School (SHSID) | Merit |
| 77 | Field Manual Mini-purifier | Zhou Tian Shi | The Experimental High School Attached to Beijing Normal University | Merit |
| 87 | The effects of light and vibration on the antennae reaction of American cockroach antennae. | 1. Chen Ying-Chii 2. Ke Ting-Ching | Zhongshan Girls' Senior High School | Merit |
| 89 | Application of Nano Pigment to the production of colored silkworm cocoon. | Lim Shih-Hsun | Zhongshan Girls' Senior High School | Merit |