

**Announcement**  
**Successful Candidates for**  
**VISTEC-NSTDA Collaborative Research and Education Scholarships**  
**Academic Year 2021**

Vidyasirimedhi Institute of Science and Technology (VISTEC) in partnership with National Science and Technology Development Agency (NSTDA) is pleased to announce successful candidate list for Collaborative Research and Education Scholarships for Academic Year 2021. The following successful candidates have been accepted to receive the scholarship according to the research areas and projects.

**1. Advanced Materials Area**

No.	Scholarship Recipient: VISTEC Student	Project Title	Advisor: VISTEC Faculty Member	Co-Advisor: NSTDA Researcher
1	Mr. Arthit Pikulngam	Development of new metal-organic framework (MOF) with high charge transporting ability and capable of long-wavelength absorption as light-absorbing materials for high-efficiency photocatalytic water splitting system and organic photovoltaics (OPV)	Prof. Dr. Vinich Promarak	Dr. Pisist Kumnorkaew
2	Mr. Peerapat Intakham	Development of +2 and +3 metal catalysts supported by novel constrained $\beta$ -diimine ligands for biodegradable polymers in functional nanocomposite fiber applications	Assoc. Prof. Dr. Khamphree Phomphrai	Dr. Autchara Pagon Dr. Somprasong Thongkham
3	Ms. Patitta Preedanorawut	Multifunctional nanocarriers for a sustainable society	Assoc. Prof. Dr. Daniel Crespy	Dr. Doungporn Yiamsawas

No.	Scholarship Recipient: VISTEC Student	Project Title	Advisor: VISTEC Faculty Member	Co-Advisor: NSTDA Researcher
4	Ms. Kunlanat Sriphumrat	Metal-organic frameworks as surface enhanced Raman scattering substrate for target molecules detection	Dr. Kanokwan Kongpatpanich	Dr. Suwussa Bamrungsap
5	Mr. Sorawich Pimu	Development of Metal-organic frameworks for ultrasensitive detection of volatile organic compounds	Dr. Kanokwan Kongpatpanich	Dr. Suwussa Bamrungsap

## 2. Energy and Environment Area

No.	Scholarship Recipient: VISTEC Student	Project Title	Advisor: VISTEC Faculty Member	Co-Advisor: NSTDA Researcher
1	Mr. Thanathorn Choobunlap	Electrooxidation of glucose derived compounds to 2,5-Furandicarboxylic acid (FDCA) and its derivatives	Asst. Prof. Dr. Chularat Wattanakit	Dr. Supawadee Namuangruk
2	Mr. Peernat Chaipornchalerm	Conversion of alkanes to fine-chemicals in the presence of CO <sub>2</sub> using single sites of monometals and bimetals supported on hierarchical zeolites	Asst. Prof. Dr. Chularat Wattanakit	Dr. Pussana Hirunsit

## 3. Biotechnologies Area

No.	Scholarship Recipient: VISTEC Student	Project Title	Advisor: VISTEC Faculty Member	Co-Advisor: NSTDA Researcher
1	Ms. Sasina Premjaichon	Enzyme engineering, structure determination, and biocatalysis of bacteriophage lysins	Prof. Dr. Pimchai Chaiyen	Dr. Penchit Chitnumsub

#### 4. Digital Area

No.	Scholarship Recipient: VISTEC Student	Project Title	Advisor: VISTEC Faculty Member	Co-Advisor: NSTDA Researcher
1	Mr. Kajjana Boonpalit	A data-driven framework for the discovery of high performance catalysts for CO <sub>2</sub> conversion to valuable products	Assoc. Prof. Dr. Sarana Nutanong	Dr. Supawadee Namuangruk
2	Mr. Thirawat Chuthong	Embodied Adaptive Autonomous NeuRal CONTROL for Robot Motion Intelligence (ERON)	Prof. Dr. Poramate Manoonpong	Dr. Winai Chonnaparamutt

VISTEC fully hopes that the scholars will have this opportunity to nurture potential research skills with the professional mentors through working in both national and world-class overseas laboratories.

Announced on August 16, 2021



(Professor Dr. Jumras Limtrakul)

Chairman of the Scholar Selection Committee