

# PIYANAN PASOM

## **Research Activities**

### **Areas of Expertise**

Functional Analysis; fixed point theory in generalized metric spaces and geodesic spaces

### **Current Interest and Activities**

My recent and current research activities involve the following problems.

1. Proof of the existence and convergence theorem for the fixed points of the generalized nonexpansive mappings such as quasi-nonexpansive mappings, and total asymptotically nonexpansive mappings in the generalized metric spaces such as the metric space equipped with graphs.
2. Study of the common fixed points of a family of multi-valued mappings such as  $\phi$ -quasi-nonexpansive mappings in the generalized metric space of geodesic spaces, and improving the iterations to approximate these common fixed points.
3. Study of the common attractive points of a family of further generalized hybrid mappings in the generalized metric spaces.