

Environmental Science journals

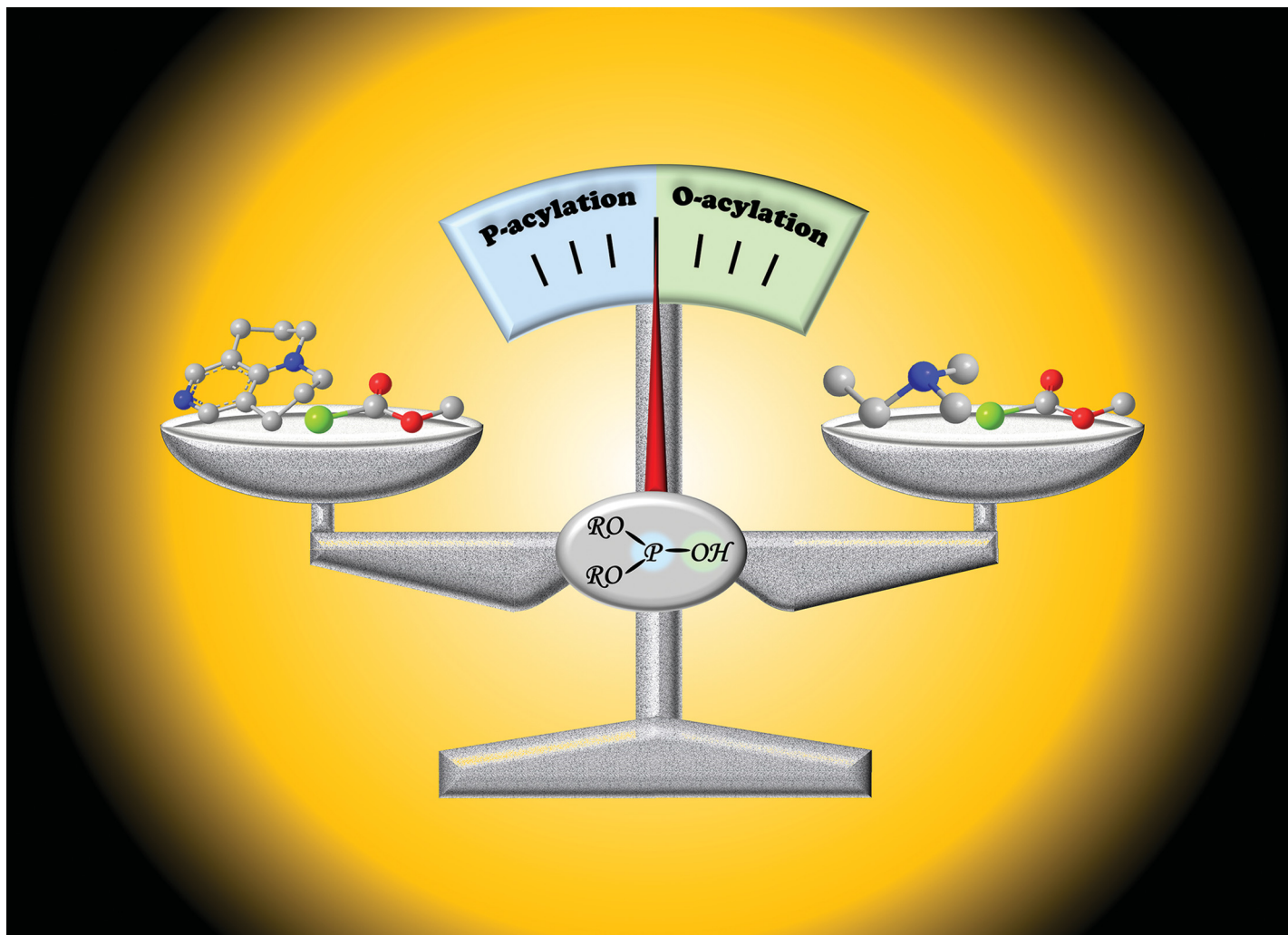
One impactful portfolio for
every exceptional mind

Harnessing the power of interdisciplinary
science to preserve our environment

rsc.li/envsci

Fundamental questions
Elemental answers



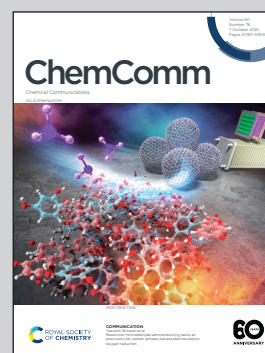


Showcasing research from Professor Fuse's laboratory
at the Graduate School of Pharmaceutical Sciences,
Nagoya University, Nagoya, Japan

Switching between P-acylation and O-acylation of
H-phosphonates with chloroformates by changing acyl
pyridinium and acyl ammonium ions in a microflow reactor

The "balance" between the softness and hardness of
in situ generated acyl pyridinium/ammonium electrophiles
is the key to the switching. Structurally diverse
phosphotriesters and phosphonoformate esters were
synthesized in microflow reactors.

As featured in:



See Shinichiro Fuse *et al.*,
Chem. Commun., 2024, **60**, 10874.