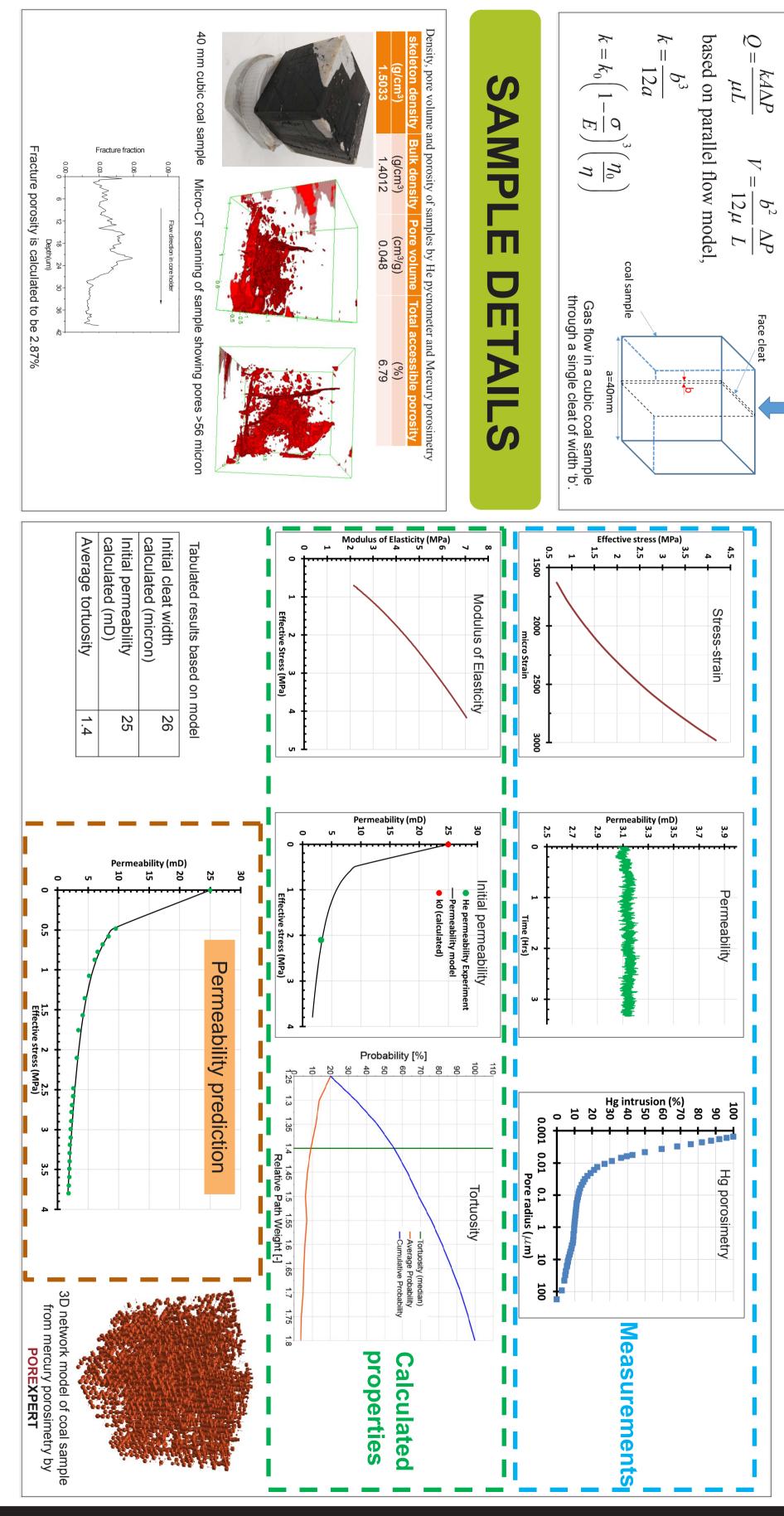
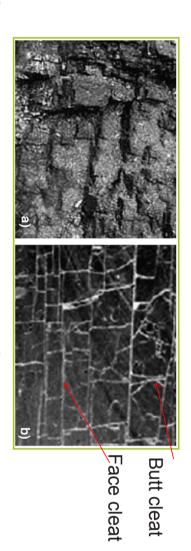
syed.raza@uqconnect.edu.au



- Coals are naturally fractured methane reservoirs in which fractures and cleats govern gas transport.
- Changes to cleat geometry directly effect reservoir permeability and hence gas production.

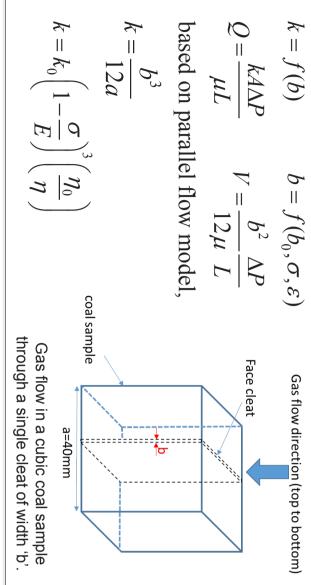
2

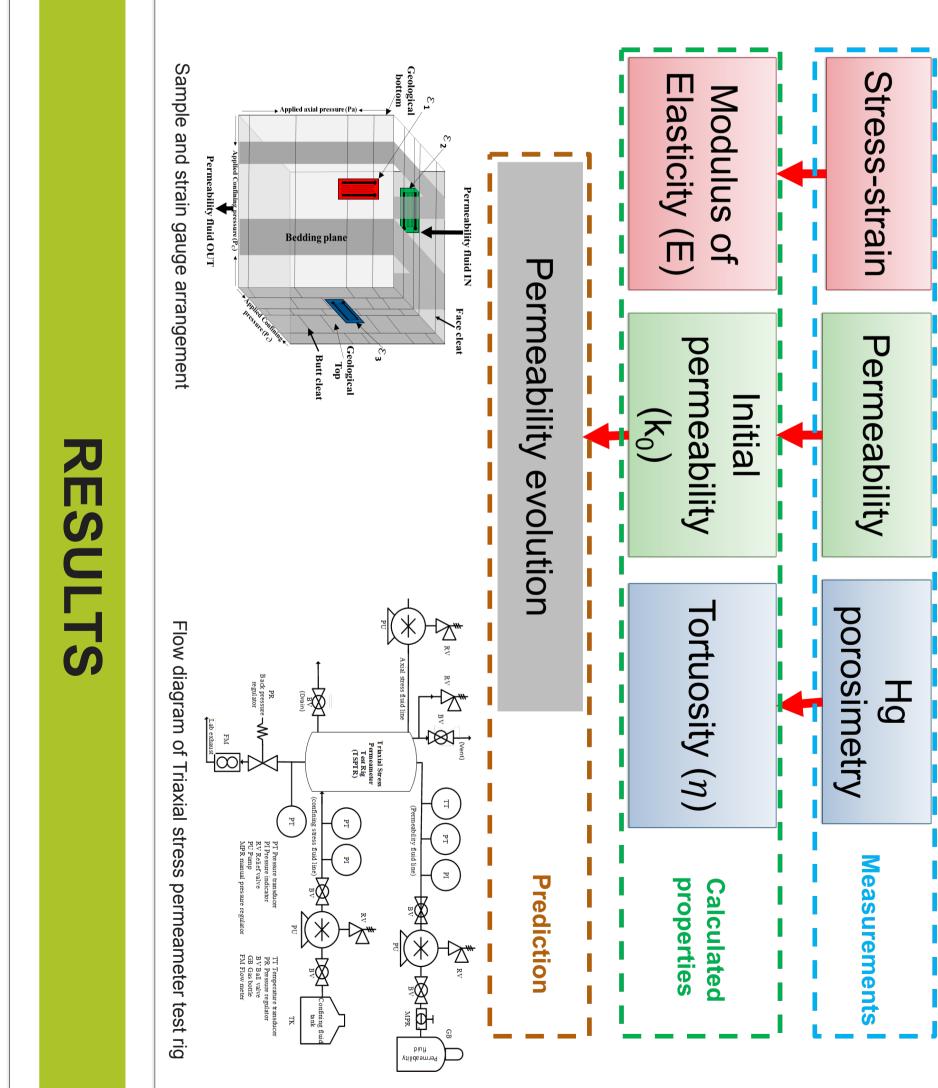
- ယ Dynamic stress changes, v reservoir drawdown alter the flow paths. which occur du ne cleat apertures during es and
- 4 This poster examines this behavior in order to provide methods for understanding and predicting these outcomes.



AIMS

Permeability of Coal seam gas reservoir To relate coal's permeability (k) to cleat width (b), effective stress (σ) and mechanical strain (ϵ)







Coal: SYED SHABBAR RAZA- THE UNIVERSITY OF QUEENSLAND/ SCHOOL OF CHEMICAL ENGINEERING permeability-stress-strain behavior of cleats

INTRODUCTION

METHODOL .OGY