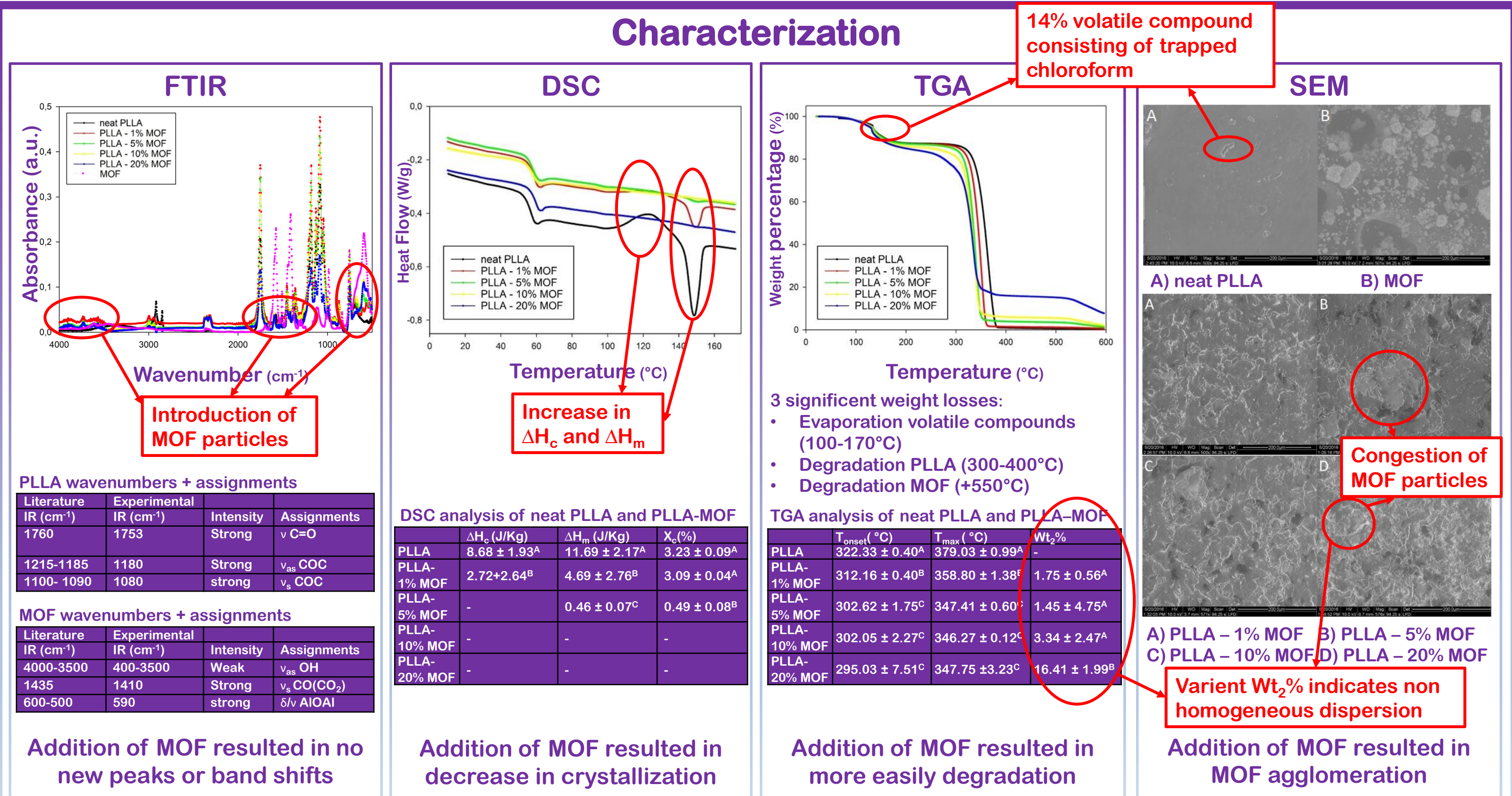
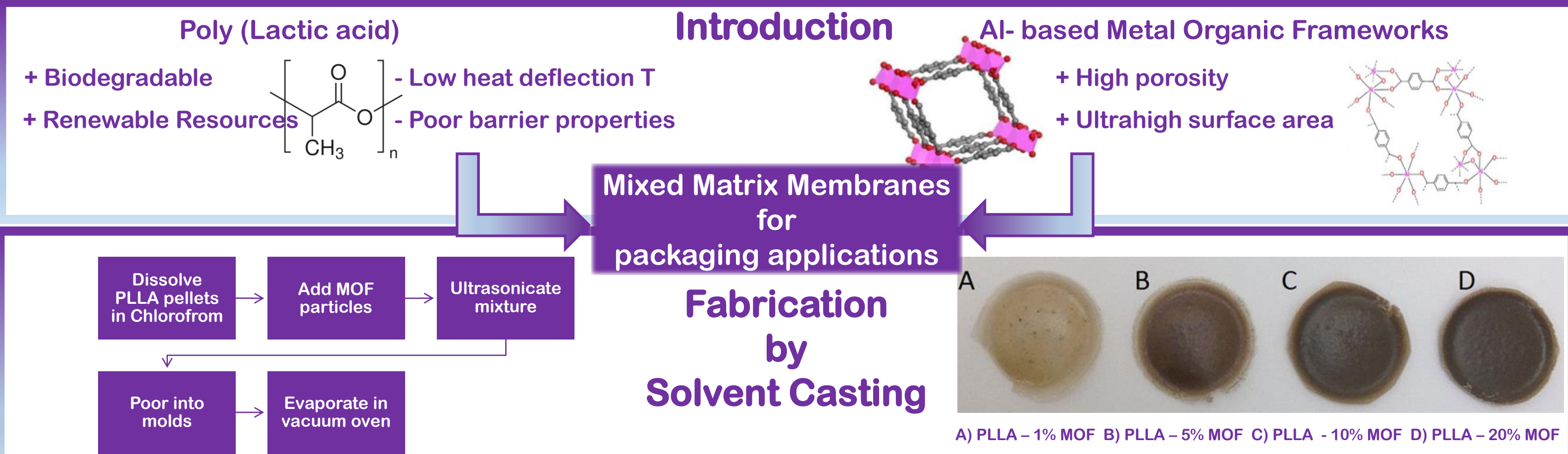


Fabrication and Characterization of Poly (L-lactic acid) – Aluminum based Metal Organic Frameworks Mixed Matrix Membranes

Niels Brouwers

Academiejaar:

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Conclusion

- No chemical reaction between PLLA and MOF particles
- MOF particles hinder PLLA chain mobility
- MOF particles reduce activation energy of degradation and act like depolymerization catalyst
- Non homogeneous MMMs with trapped chloroform and MOF particles have tendency to accumulate

Promotoren / Copromotoren: Prof. dr. ir. Mieke Buntinx
Prof. dr. Ajay Kathuria