

Continuous formulation opportunities of electrospun amorphous solid dispersions

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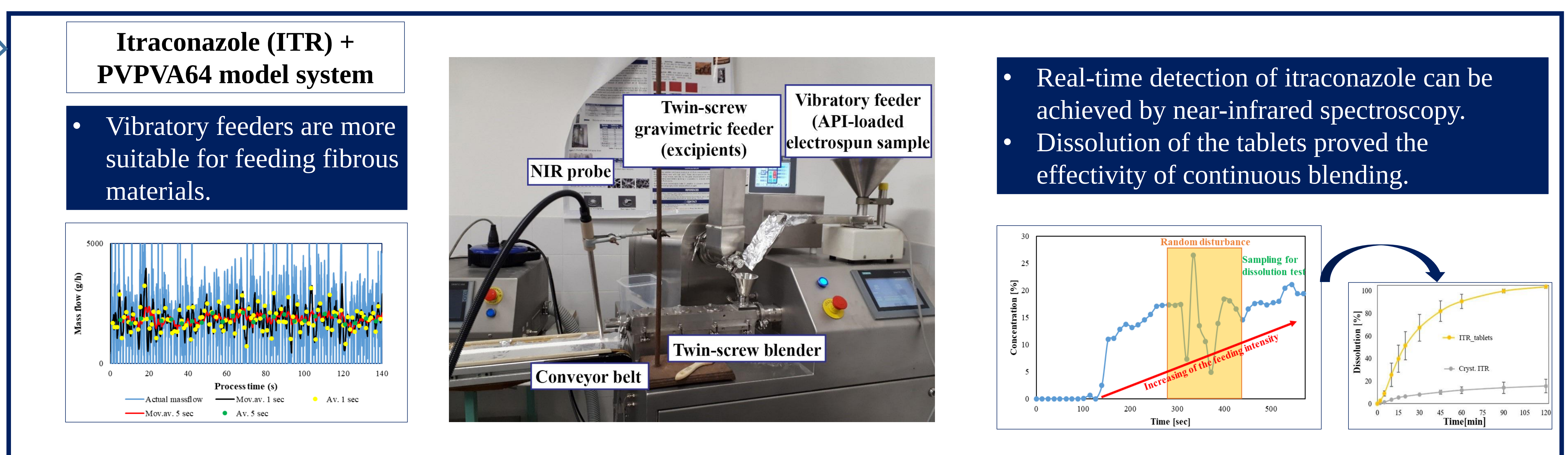
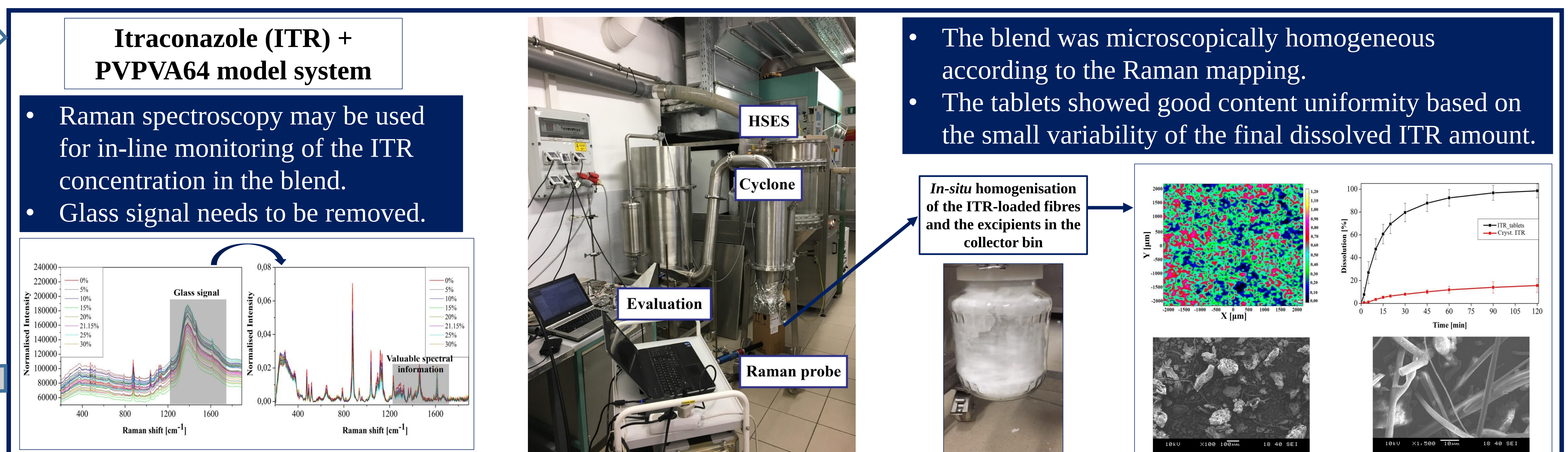
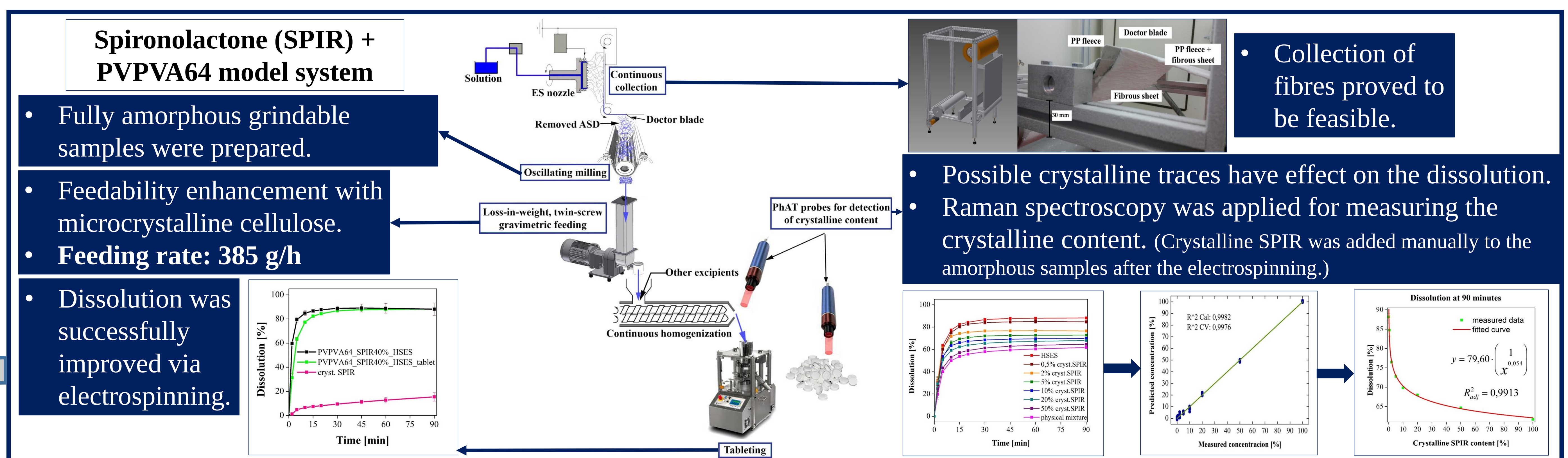
Introduction

Main goals

- Dissolution properties of poorly water-soluble drugs can be improved by electrospinning¹.
- The main limitations of the electrospinning technology are the scaling-up and the effective formulation of the product^{2,3}.

- Investigation of the possible continuous downstream processing steps.
- In-situ* homogenisation of fibres and excipients during fibre collection.
- Continuous blending of fibrous materials.

Experiments and results



Conclusion

The feasibility of continuous formulation of continuously produced electrospun amorphous solid dispersions was demonstrated in this work.

References

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Acknowledgements

This work was supported by (/is related to) the National Research, Development and Innovation Fund of Hungary in the frame of FIEK_16-1- 2016-0007 (Higher Education and Industrial Cooperation Center) project.