

EFFECT OF THE PREPARATION METHOD ON THE DISSOLUTION OF AMORPHOUS SOLID DISPERSIONS

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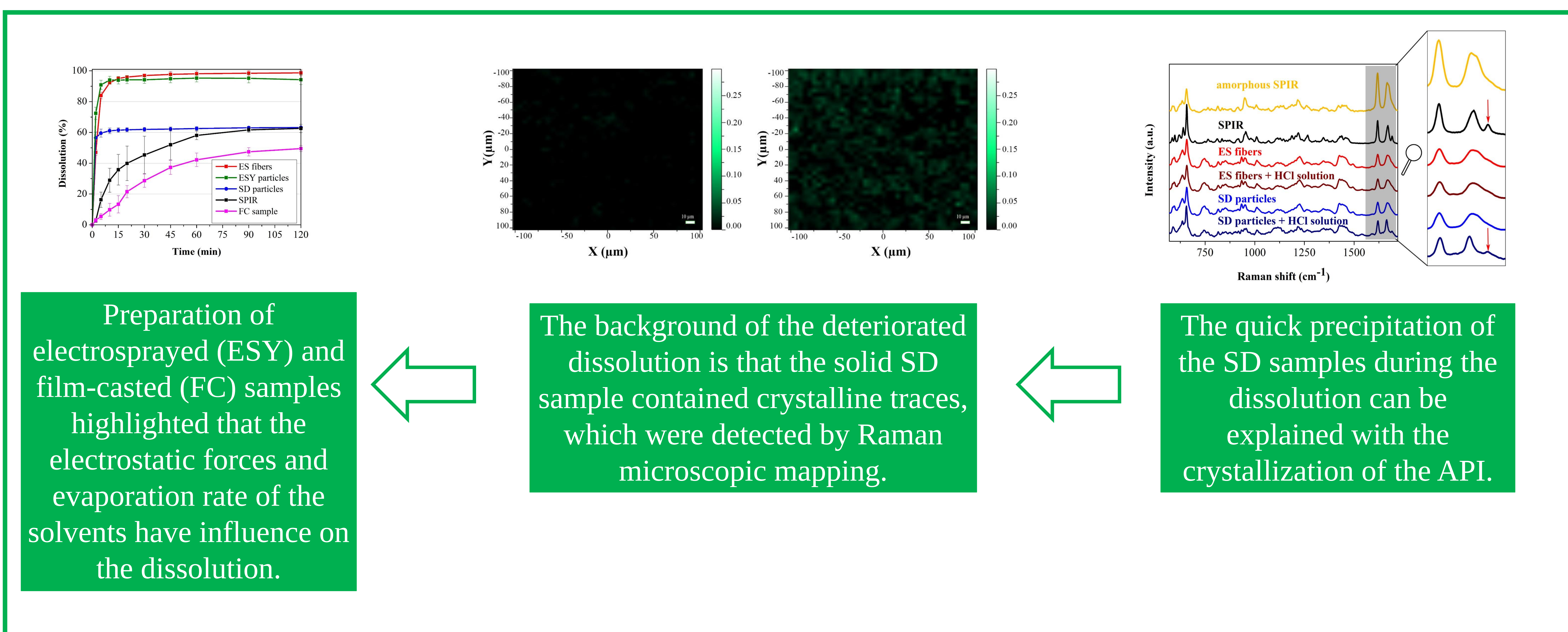
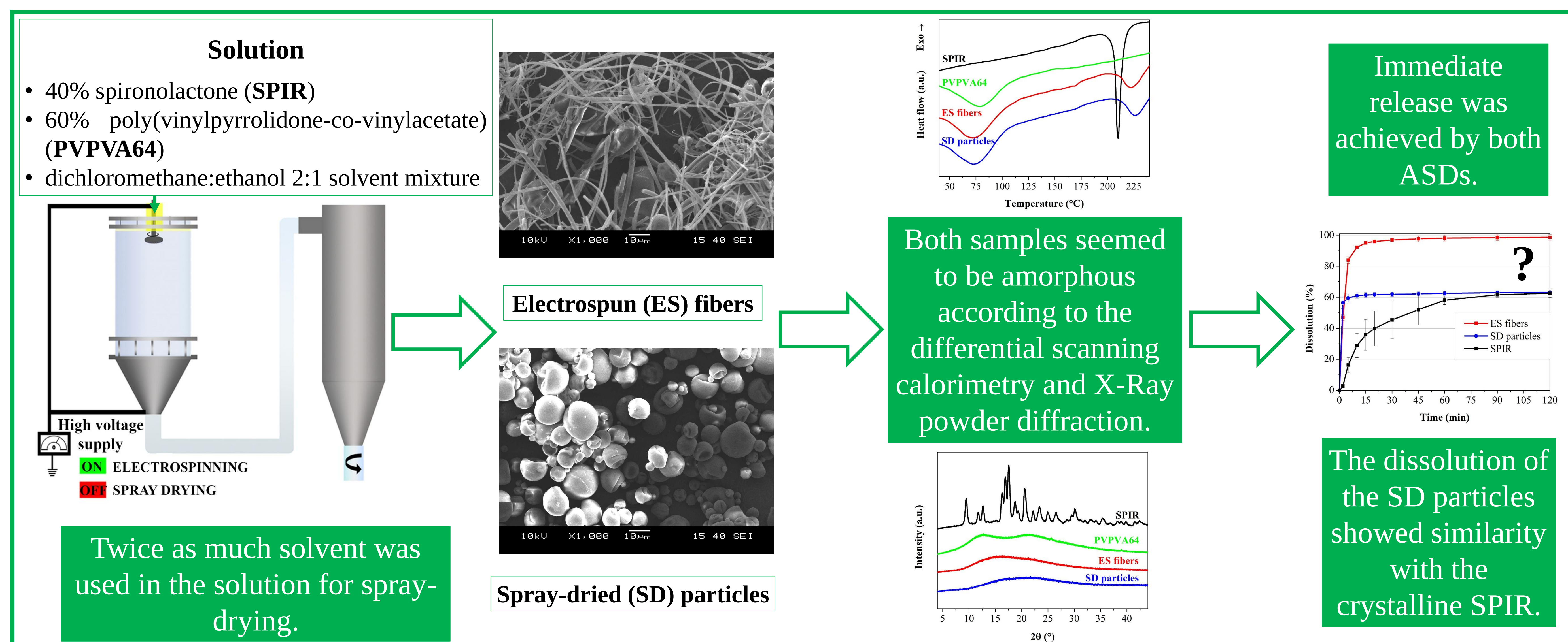
Introduction

- Preparation of polymer-based amorphous solid dispersions (ASDs) is a possible way to enhance the dissolution of poorly water-soluble drugs.¹
- The preparation method has a great influence on the properties of the product.²

Main goals

- Comparison of two solvent-based methods, namely the spray-drying and the electrospinning.
- In-depth investigation of the differences in the dissolution

Experiments and results



Conclusion

Based on the results, the following factors have impact on the dissolution of the prepared ASDs:

- Drying kinetic
- Size and shape of particles
- Electrostatic field

References

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Acknowledgements

This work was performed in the frame of FIEK_16-1-2016-0007 project, implemented with the support provided from the National Research, Development and Innovation Fund of Hungary, financed under the FIEK_16 funding scheme. This research was supported from grants by National Research, Development and Innovation Office of Hungary (grant numbers: KH-112644, FK-132133, PD-121143). Attila Farkas acknowledges the financial support received through the PREMIUM post-doctorate research program of the Hungarian Academy of Sciences. Support of CELSA Research Fund is kindly acknowledged for grant CELSA/19/028. This project was supported by the ÚNKP-20-2-1 New National Excellence Program of the Ministry of Human Capacities