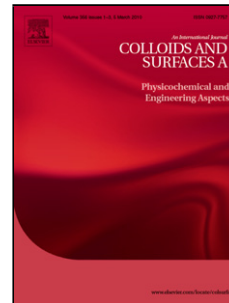


## Accepted Manuscript

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## Simultaneous spreading and imbibition of blood droplets over porous substrates in the case of partial wetting

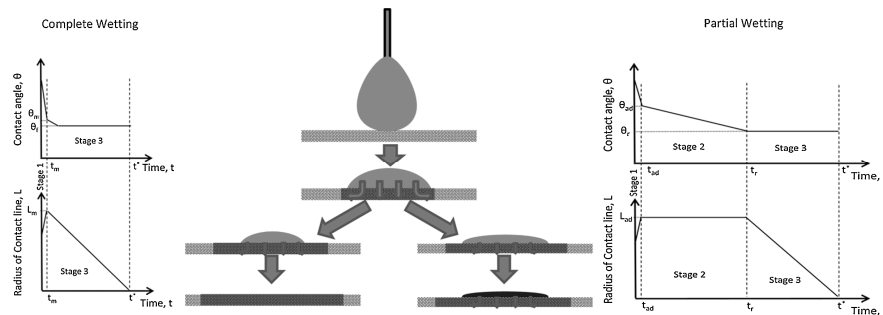
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### Graphical abstract



### High light:

An investigation of the spreading behaviour of blood droplets on porous substrates in the case of partial and complete wetting is presented.

A power-law rheology model is assumed.

Experimental results indicate that blood droplets show a partial wetting behavior on all nitrocellulose membranes.

Experimental and Numerical results indicate that three dimensionless spreading parameters fall into a universal curve against time in the case of complete wetting.

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