







Keratin materials from feather waste

<p>Description</p> <p>Industrial feather waste valorisation for sustainable keratin based materials.</p>	<p>Objectives</p> <ul style="list-style-type: none"> To carry out simulations of the different technologies to processes feather for producing new bio-based raw materials to be up scaled and to adjust and optimize existing feather processing methods from laboratory to industrial environments, To reduce technological, environmental and business-related risks to a minimum level and to assure the highest possible safety of the developed feather processing technologies for the preparation of keratin based materials and composites.
<p>Activities</p> <ul style="list-style-type: none"> Process simulation, Risk assessment. 	<p>Challenges</p> <ul style="list-style-type: none"> Input data complex to collect  Technical knowledge required  Legal & legislation barriers  Technology readiness level 
<p>Expected outcomes</p> <ul style="list-style-type: none"> Improving feather waste pre-treatment and conditioning processes, Optimizing the isolation of keratin and other feather-based raw materials, Validation of the feather-based raw materials for bio-based end products. 	

