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## **Chicken feathers as a natural source of sulphur to develop sustainable protein films with enhanced properties**

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### **Highlights**

- Agro-industrial waste was valorised to improve film properties
- Hydrolyzed keratin/soy protein films were processed by casting and compression
- Manufactured films possessed high stability and structural integrity
- S-S bridges formation enhanced tensile strength values in compressed films
- Films with hydrolyzed keratin maintained good transparency values

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