

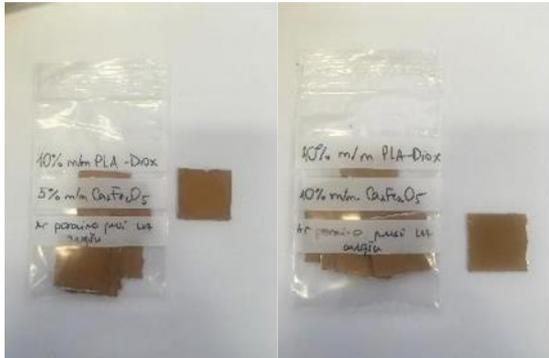
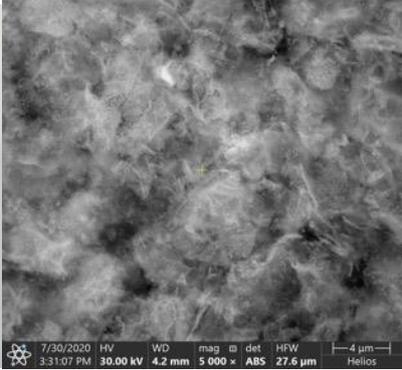
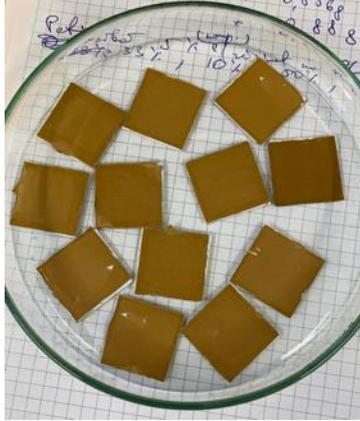
**National Research Programme “to mitigate consequences
of COVID-19”**

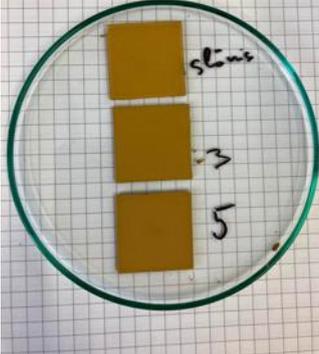
**Project “Integration of reliable technologies for protection
against Covid-19 in healthcare and high-risk areas”**

Deliverable of Task 3.1

**Sample prototypes on Ca-Fe oxide-based polymer composite
antiviral coatings**

Riga,
December 2020

Month	Coating	Image
July	PVDF/Ca ₂ Fe ₂ O ₅ (20 vol%)	
August	PLA/Ca ₂ Fe ₂ O ₅ (0, 5, 10 and 20 vol%)	<p style="text-align: center;">PLA</p>   <p>7/30/2020 HV WD mag det HFW 4 μm 3:31:07 PM 30.00 kV 4.2 mm 5 000 × ABS 27.6 μm Helios</p>
September	PLA/Ca ₂ Fe ₂ O ₅ (70 vol%)	

<p>October</p>	<p>EVA/Ca₂Fe₂O₅ (70 vol%, 1 layer, 3 layer and 5 layer coating)</p>	
<p>November</p>	<p>Ca₂Fe₂O₅ coating on adhesive tape (no polymer additives)</p>	
<p>December</p>	<p>Ca₂Fe₂O₅ coating on adhesive tape applied on pen</p>	