

III INTERNATIONAL CONFERENCE
KRASNOYARSK, RUSSIA
20-21 November 2020



MIST: Aerospace

Advanced Technologies in Aerospace,
Mechanical and Automation Engineering

Science and Technology City Hall
KRASNOYARSK, RUSSIA

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«MIST: Aerospace - 2020: Advanced Technologies in Aerospace, Mechanical and Automation Engineering»

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«Modification of carbon fiber by magnetite particles »

An aerial photograph of a runway. A jet aircraft is in the process of taking off, leaving a large, billowing plume of white smoke and vapor behind it. The runway is a light gray color, and the surrounding area is dark. The image is oriented vertically on the page.

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S A Astaf'eva, D K Trukhinov

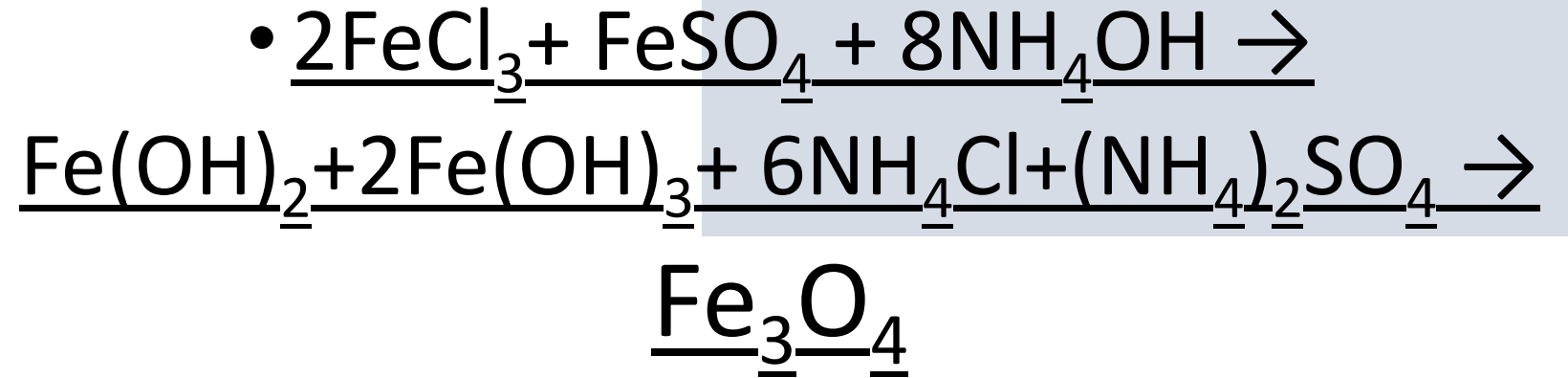


Problem statement

- Modify carbon fibers with magnetite particles to shield electromagnetic waves
- Synthesize a magnetic fluid
- To modify the carbon fiber
- Examine the resulting composite



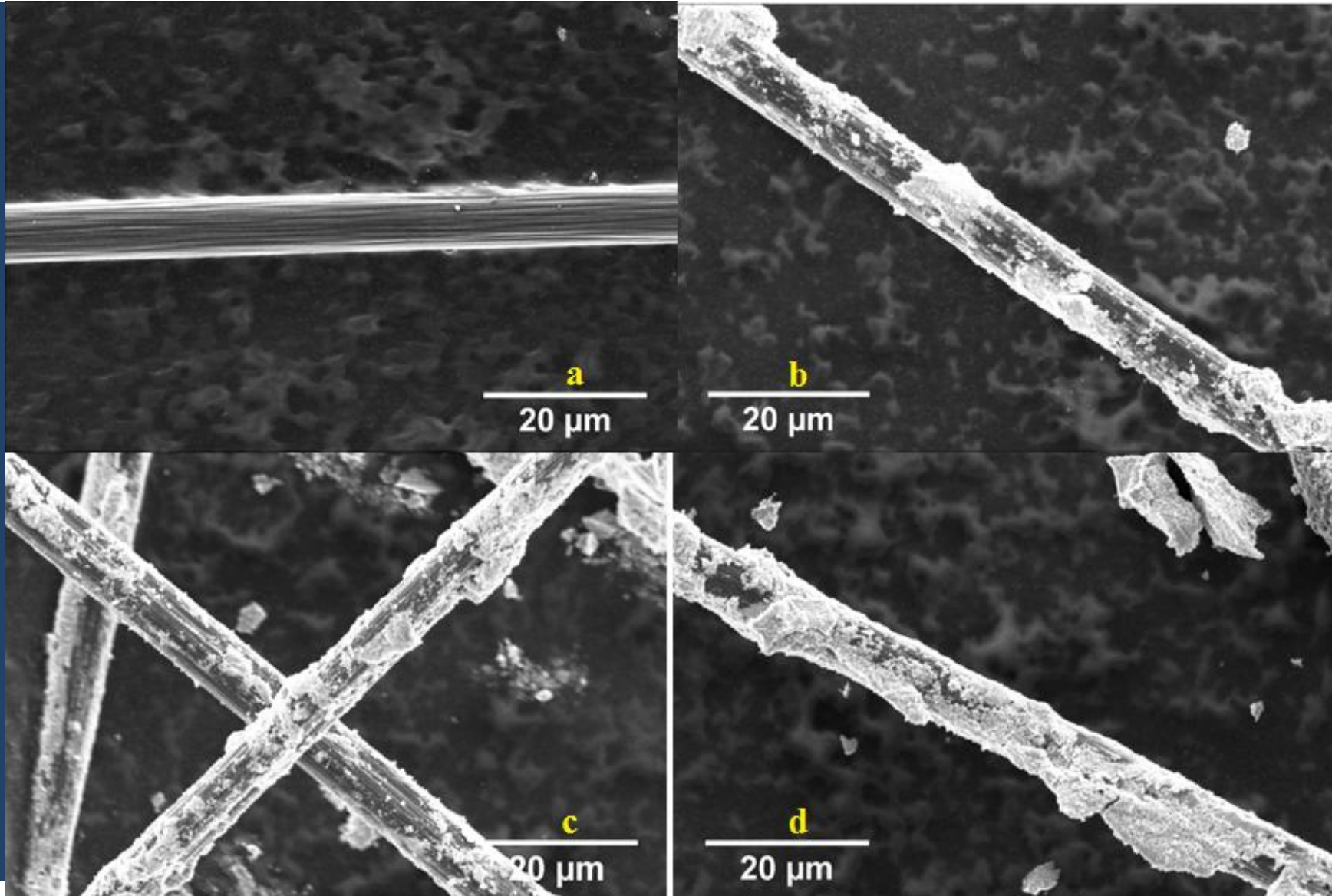
Solution methods



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Conclusions



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