



مسابقه عکس سال (۱۴۰۱)

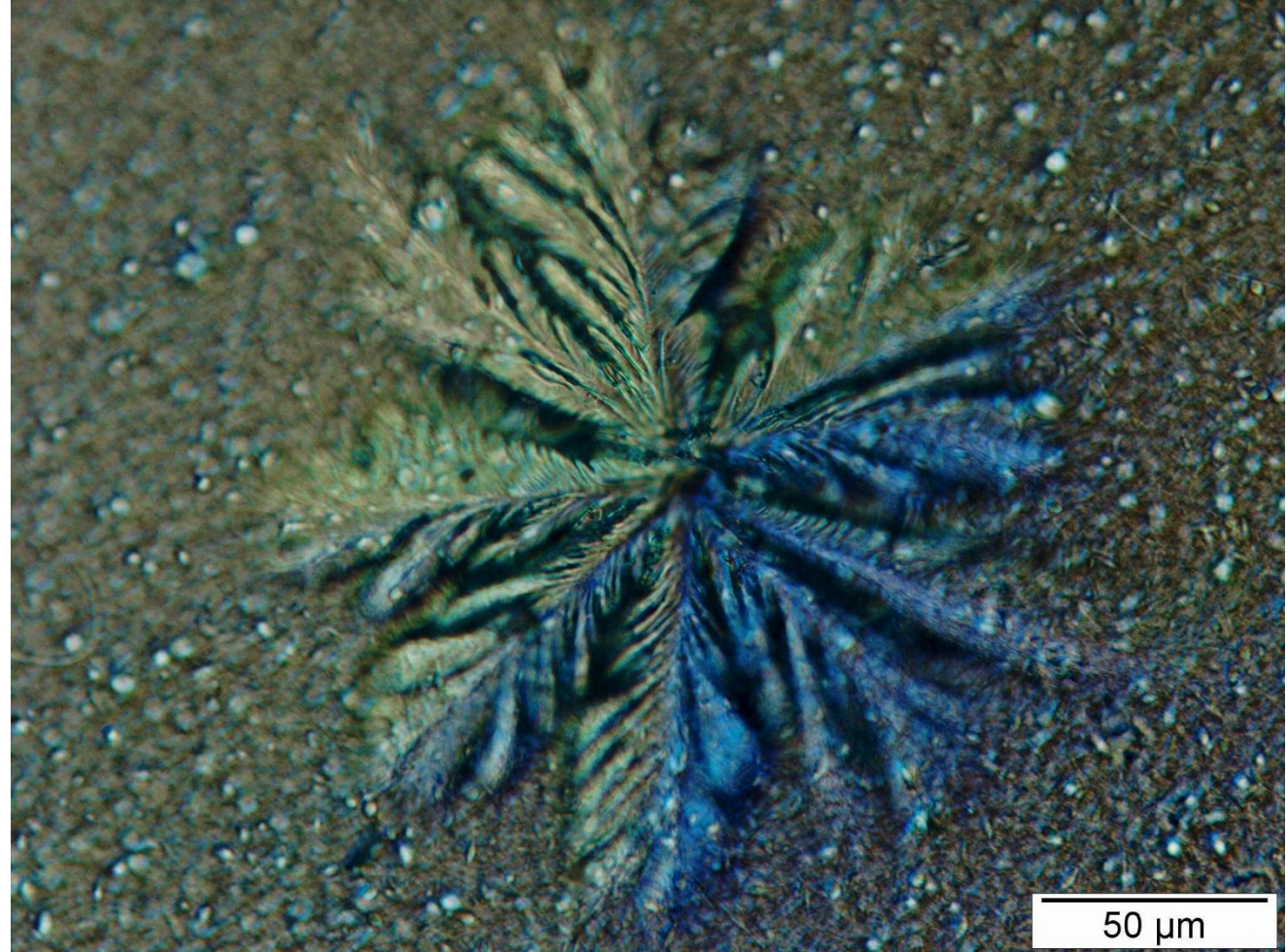
دانشکده مهندسی و علم مواد

داوری این مسابقه مانند سال گذشته توسط اعضای هیات رئیسه دانشکده انجام شد.

Optical Microscopy

شرکت کننده: فواد سلیمانی
توضیح عکس:

Taken by transmission optical microscope through a polarized light filter, the snowflake-like structure of Polylactide dendrites is disclosed. The PLA dendritic growth occurs via impregnating its 10 wt% solution into electrospun nylon 6,6 mat followed by drying in 50 °C vacuum oven. Porous nanofibrous structure of nylon 6,6 mat provoked 2D dendritic growth of PLA crystals confined between its layers.



Electron Microscopy

شرکت کننده: مسعود زارعی
توضیح عکس:

FESEM micrograph from fracture surface of poly(lactic acid)-Ti6Al4V composite scaffold printed by material extrusion 3D printing. Pore Type A: triangular interlayer pore (created between various individual layers during the printing step. Pore Type B: formed during the filament manufacturing step. Pore Type C: created by the pulled-out of Ti6Al4V particles during the tensile test.

