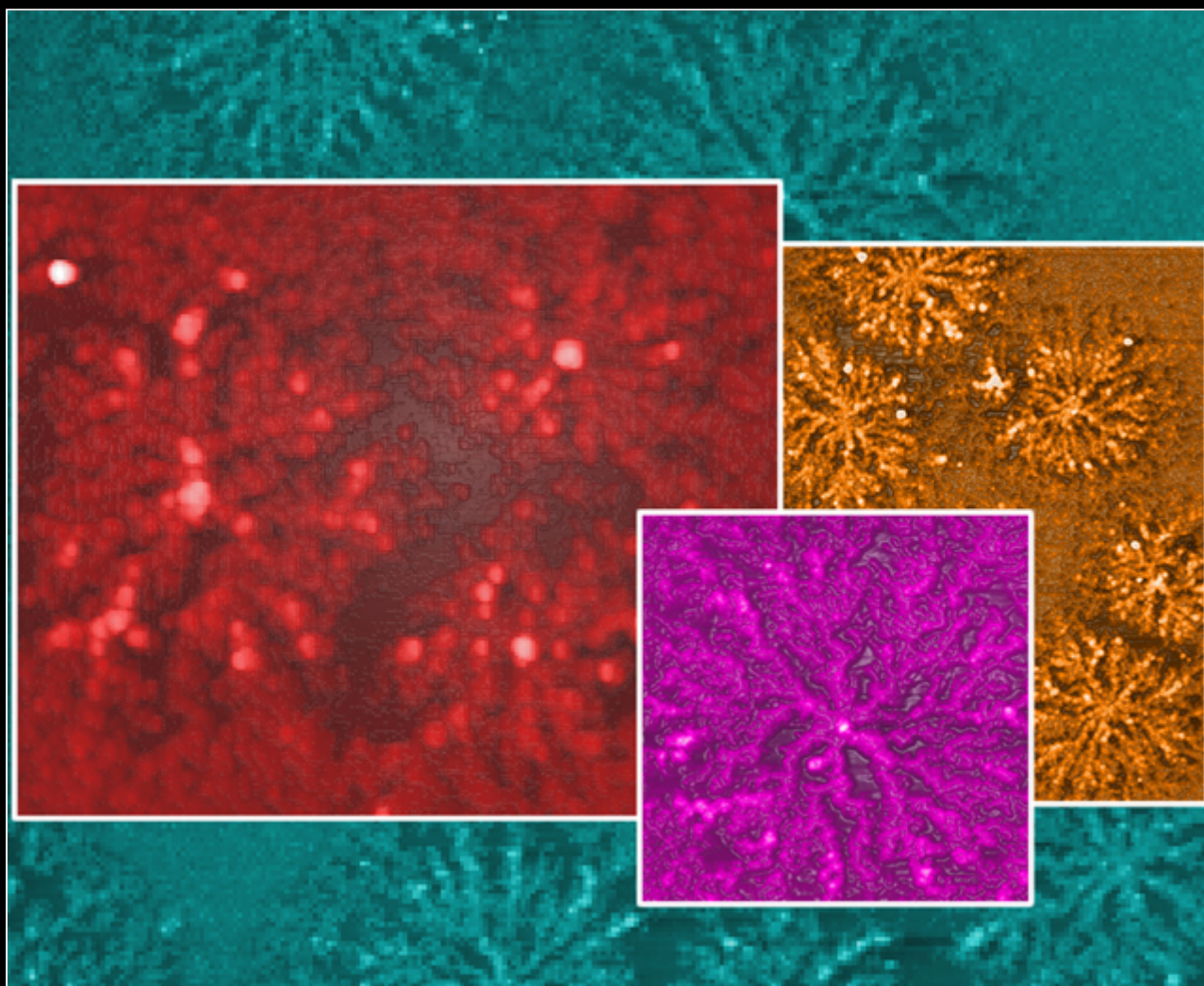


# Corals

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Dendritic carbon microstructures synthesized on a silicon substrate by the plasma-enhanced chemical vapor deposition (PECVD) method. Nickel nanoparticles prepared in glow-discharge plasma by the patented method of multiple magnetization-depositions were used as a catalyst. The images have been obtained with the atomic-force microscope (AFM) Smena™ HV (NT-MDT, Russia) by using silicon microcantilevers NSG10 (Institute of Physical Problems, Russia). Diameter of the carbon microstructures makes 7-33  $\mu\text{m}$ , the height is 250-320 nm. The samples were prepared at the Diamond System in the Institute of Physical Problems named after F. V. Lukin. The author is grateful to software developer Oleg E. Lyapin for help in preparation of this artwork.