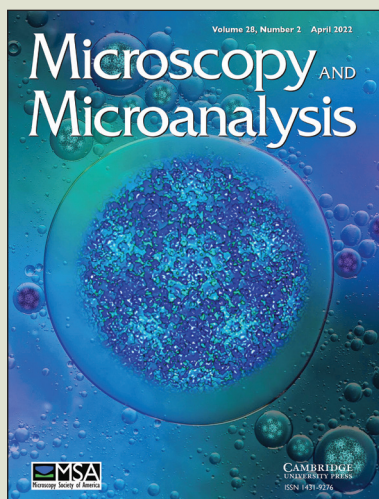


preview of some upcoming articles



Materials Science Applications

Chemical and structural alteration in the amorphous structure of obsidian due to nanolites

Scott, Mary et al.

Direct observation of PFIB-induced clustering in precipitation-strengthened Al alloys by atom probe tomography

Thompson, Gregory et al.

Microstructural and Analytical Study of Uncommon Corrosion Features on Archaeological Cu-As Alloys from Tappeh Graziani in Southeastern Iran

Kavosh, Hosseinali et al.

Thermal evolution of C-Fe-Bi nanocomposite system: from nanoparticle formation to heterogeneous graphitization stage

Baia, Lucian et al.

Software and Instrumentation

Automated ExEm-spFRET microscope

Chen, Tong sheng et al.

Improving Quantitative EDS Chemical Analysis of Alloy Nanoparticles by PCA Denoising: Part I, reducing reconstruction bias.

Ugarte, Daniel et al.

PARROT - A Pilot Study on the Open Access Provision of Particle Discrete Tomographic Datasets

Ditscherlein, Ralf et al.

Automated tools to advance high-resolution imaging in liquid

Kelly, Deborah et al.

Biological Applications

In vivo confocal microscopy of the corneal sub-basal nerve plexus in medically controlled glaucoma

Agnifili, Luca et al.

Development of the blood-brain barrier in ducks

Chen, Qiusheng et al.

Structural analysis of Bacteroidetes gliding motility by Correlative Light and Scanning Electron Microscopy (CLSEM)

Acharya, Celin et al.

The fractal dimension suggests two chromatin configurations in small cell neuroendocrine lung cancer and is an independent unfavorable prognostic factor for overall survival

Metze, Konradin et al.

Micrographia

Ultrastructure and Morphometric Analysis of Interstitial Cells of Cajal in the Gastric Wall of the Bullfrog (*Rana catesbiana*)

Zhang, Hui et al.

Structural and ultrastructural changes in the tongue of mdx mice

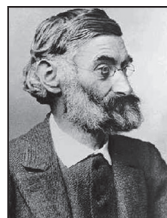
Ciena, Adriano et al.

Three-dimensional analysis of interstitial cells in the smooth muscle layer of murine vas deferens using confocal laser scanning microscopy and FIB/SEM

Hiroshige, Tasuku

Notes on the newly identified *Asperula cankiriense* B. Şahin & Sağrıoğlu (Rubiaceae) from Turkey based on light and scanning electron microscopic study

Kayabaş, Ayşenur and Amutkan Mutlu, Damla



Dear Abbe

Dear Abbe,

I am an asthmatic high school student. For my science project, I injected my expired inhalers into plants and found they grew much larger than the plants I didn't inject! Now I want to use a microscope to see what happened at the tissue level. I don't have experience with plant microscopy, especially not when it comes to hormone detection. How would I do this, and what should I look for?

Science Fair Sally

Dear SciFi Sally,

What great questions! And I'm very impressed that you decided that microscopy is an opportunity to understand the phenomenon. Most of the time people just want to grind up organisms and look at various arrangements of four letters like a poorly designed bingo game or run some test-tube assays to see what chemicals are present. I'm having a moment of lethologica, otherwise I'd tell you what I call these people. Unfortunately, my understanding of plants is limited to alcohol production, so you'll have to bother a plant biologist, like my good friend Frank Salisbury. I'm not surprised that you are interested in hormones, since you are at that age when everyone seems to be hormonally challenged and get into all sorts of situations that you'll have to explain much, much later when they decide to award you some international award or appoint you to a prominent post. Not that I've ever had that problem. Unless you count that time at the *Hochbegabtenstudium* when I developed my X-ray glasses. I was disciplined severely, then the *verrufen* Administrator stole my idea and sold them through American comic books.

What good is all that science education if you can't mix it with some good, old-fashioned voodoo? Let Herr Abbe enlarge your repertoire of irrefutable, anecdotal information at johnshields59@gmail.com.

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