

Salt and Sugar Crystals: A Glimpse into the Microscopic World

Photographs by
Revital Katznelson

Arterra Gallery

February 1st to April 30th, 2016

Show Catalog

Dr. Revital Katznelson, a local environmental scientist, uses her high-quality dissecting microscope with a variety of cameras, creative illumination, and crystallization conditions to capture the natural beauty of salt and sugar crystals.

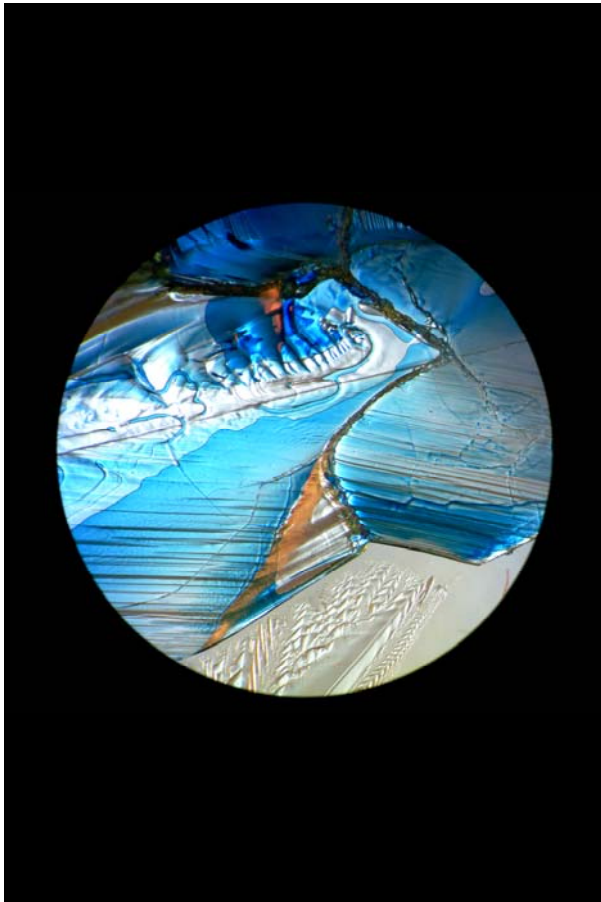
Water-science-etc.net/crystals.html



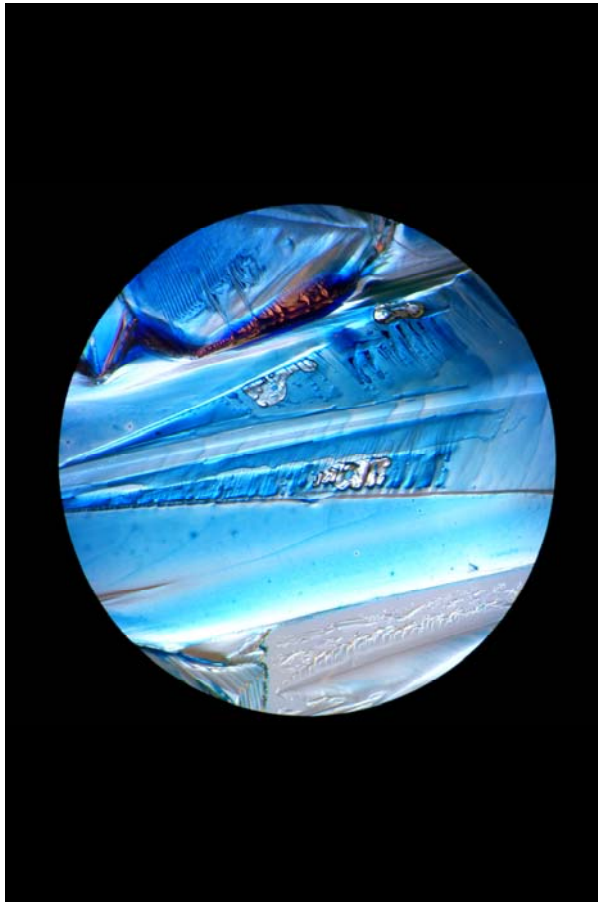
*A scientist with
a microscope
shares the
beauty of tiny
crystals*

Group: Xylitol Worlds

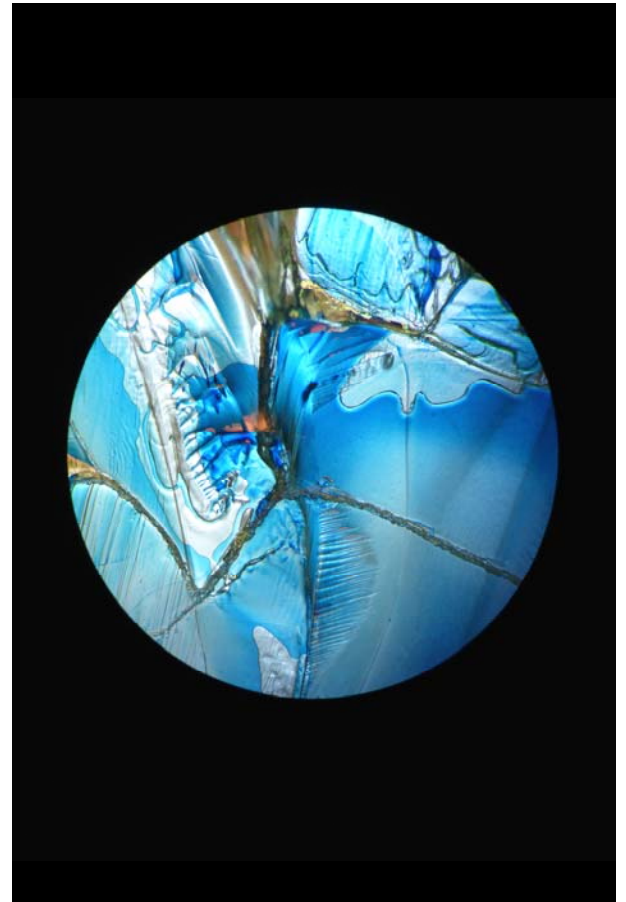
The wondrous landscapes of Planet Xy: Microscope fields showing parts of a xylitol sugar crystal that had formed in a solution with blue food coloring, magnified 25x. White LED and incandescent light sources.



Beach XY30



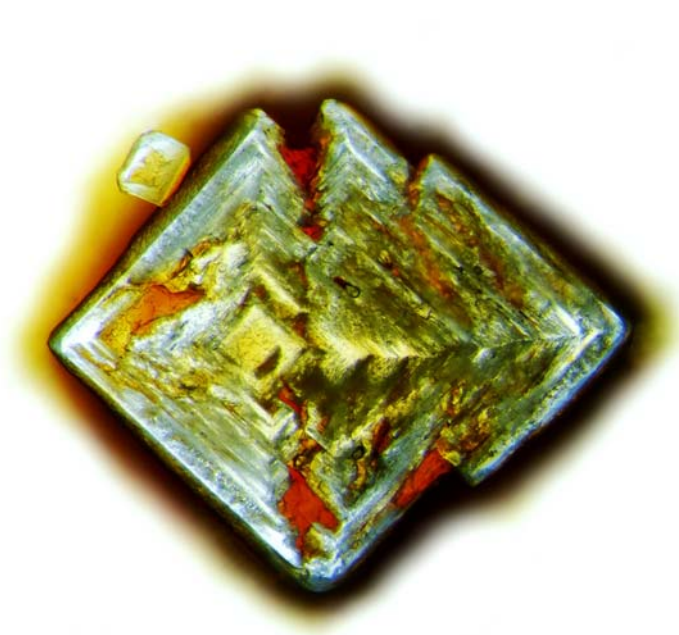
Iceberg XY35



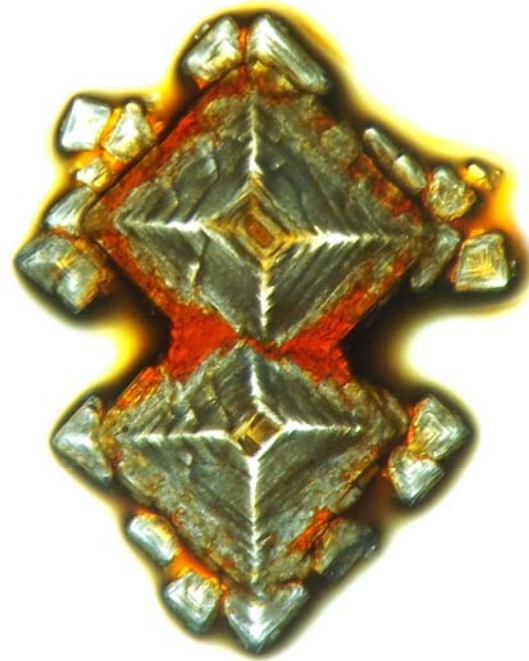
Ocean's Edge XY06

Group: Olive Brine Pyramids

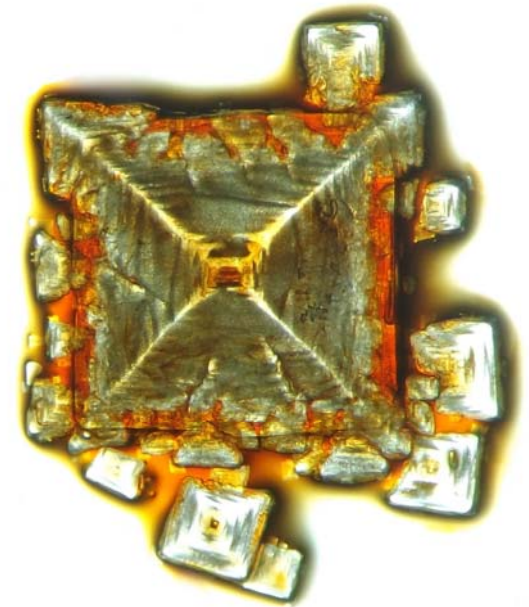
Olive Brine salt crystals with natural olive pigment. White LED light. Microscope magnification 25x



Nature's Crevices BR03



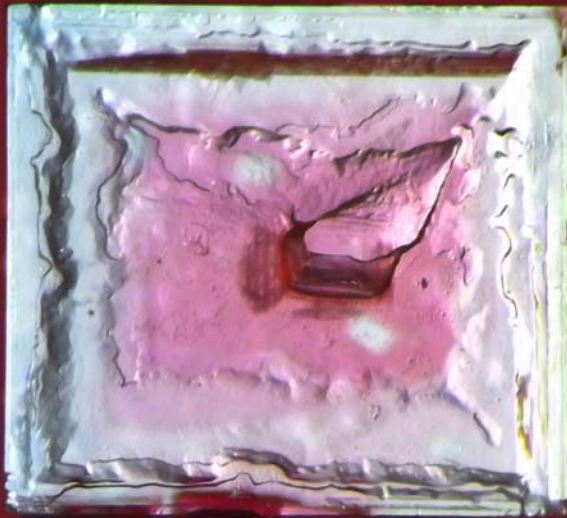
Twin Peaks BR02



Pyramid BR01

Group: Nature's Gift Boxes

Ocean salt crystals with beet juice, magnified 25x. White LED light.



Hidden Staircase OC10



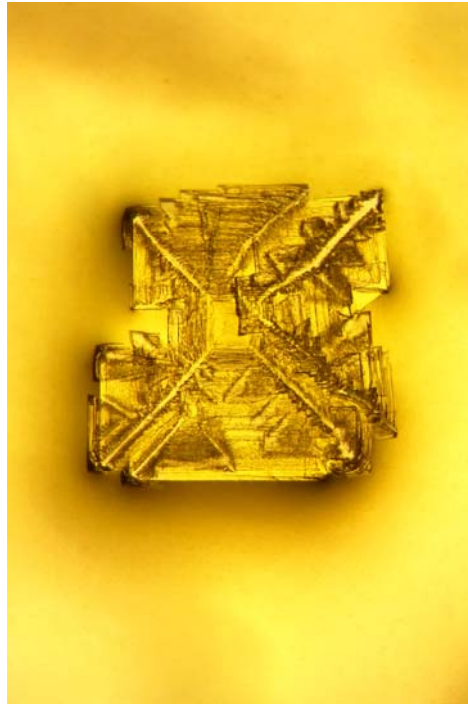
Lady with Hat OC08

Group: Nature's Architecture



View From the Top GM25

Light Salt crystal (sodium and potassium chloride). Incandescent light source.
Microscope magnification 25x or 50x



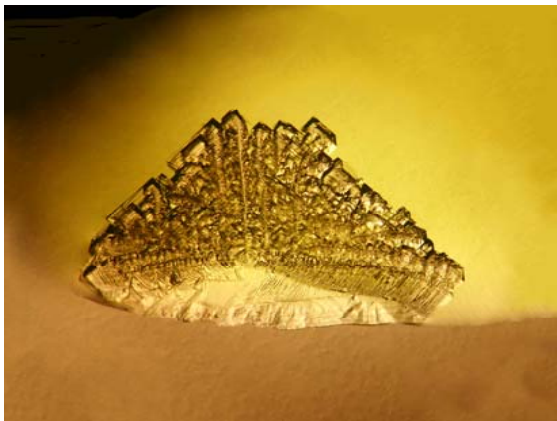
An Ancient Temple LS31



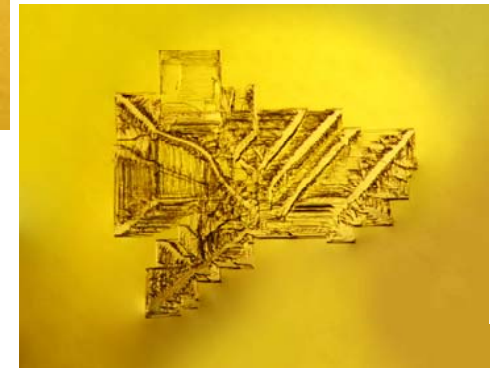
Architects' Delight LS29



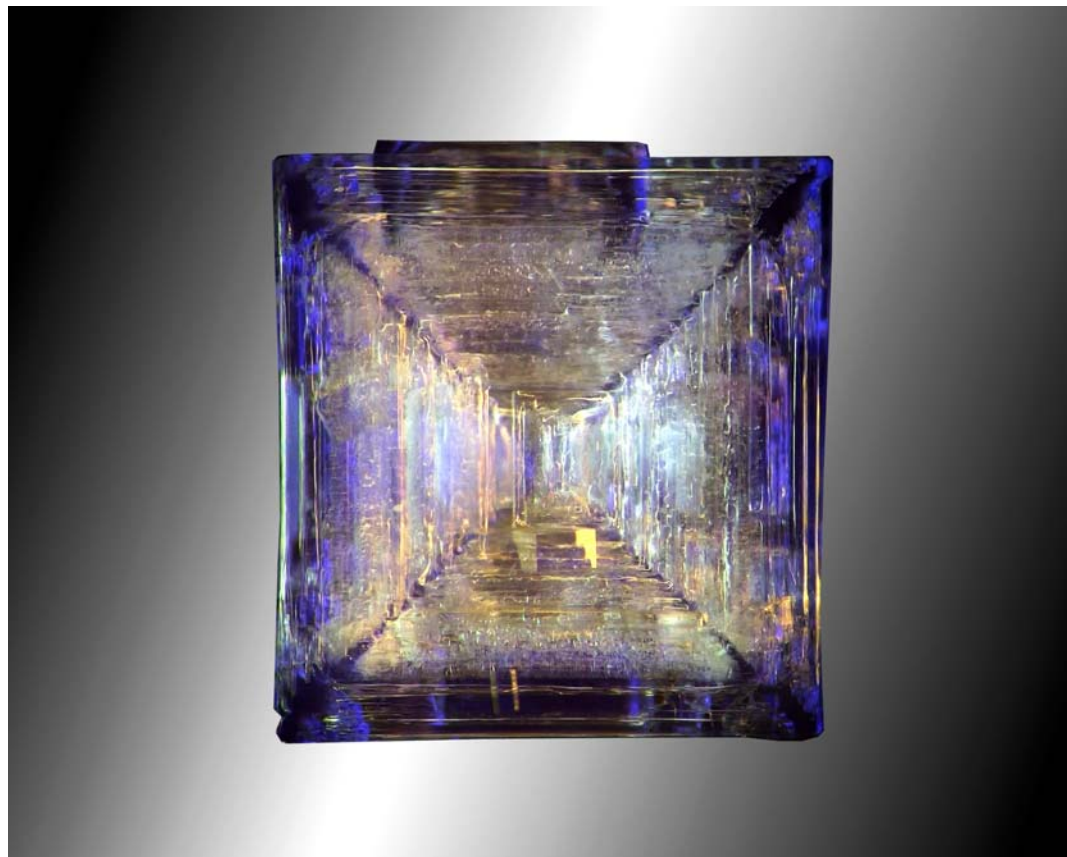
Vantage Point GM27



Golden Gem LS33



Mansion with Courtyard LS44

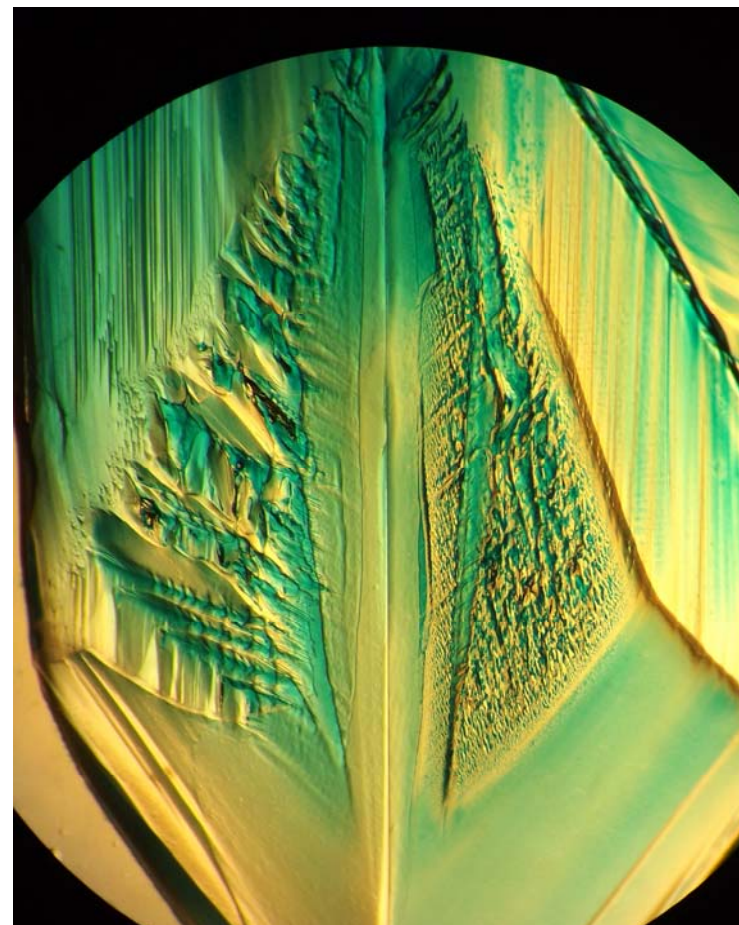


Royal Crystal LS04

Light Salt crystal (sodium and potassium chloride), isolated. White LED and incandescent light. Microscope magnification 50x

Green Parachute XY45

Xylitol sugar crystal with blue food coloring. Yellow light source. Microscope magnification 25x



Group: Trees Triptych

Light Salt crystals (sodium and potassium chloride), formed in a very thin drop. Incandescent light.
Microscope magnification 25x



Tree of Life LS49



Willows in the Wind LS51



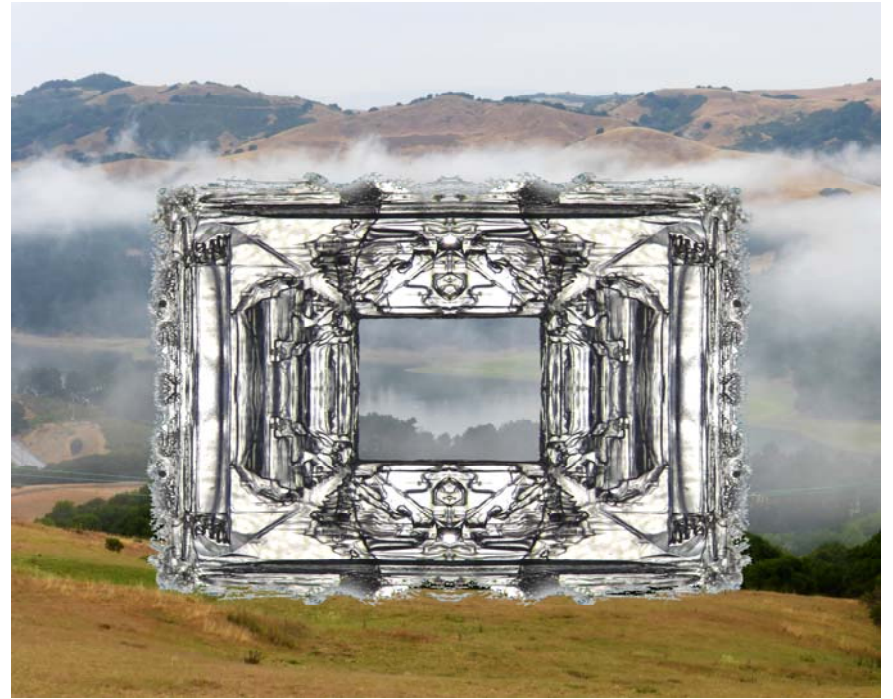
Tree of Wisdom LS50

New Group: Etudes after Magritte

Frame: Potassium chloride crystal, in white LED light, magnified x25. Selected sections of the crystal were arranged as mirror images.



Reeds in Winter GM37



Fog over San Pablo GM36



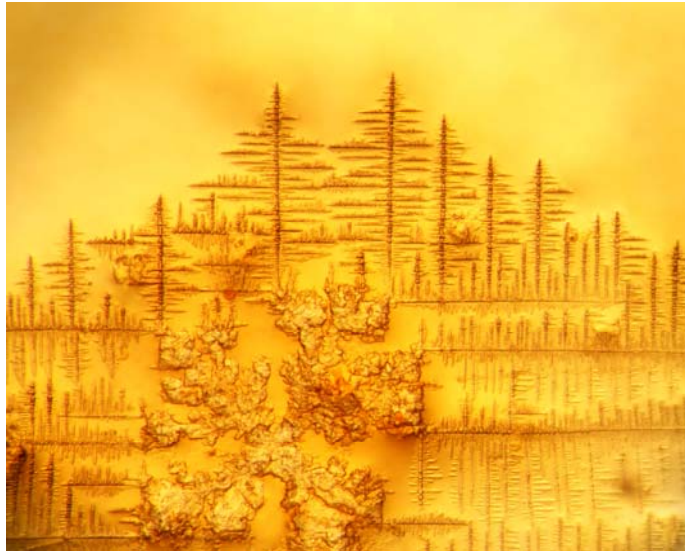
Winter Forest GM35

New group: Soy Sauce Creations

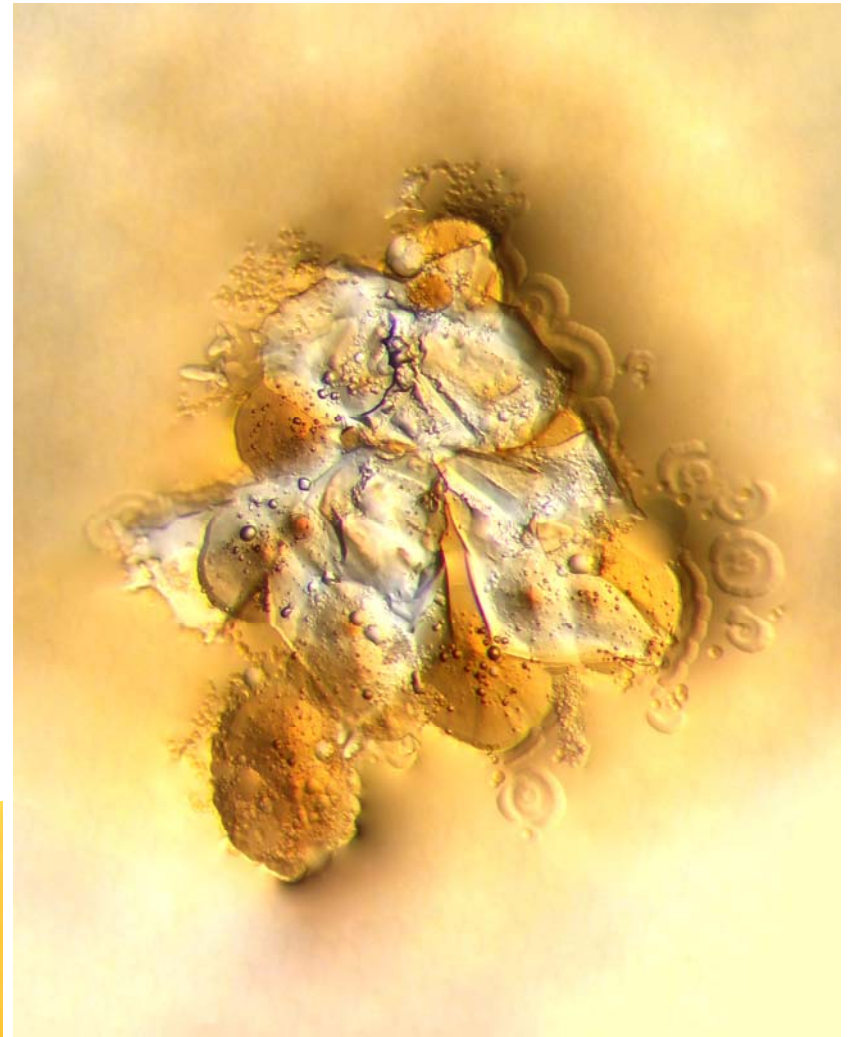
Crystals precipitated from soy sauce with its pigments.
Incandescent light. Microscope magnification 25x



Ballerina SY12



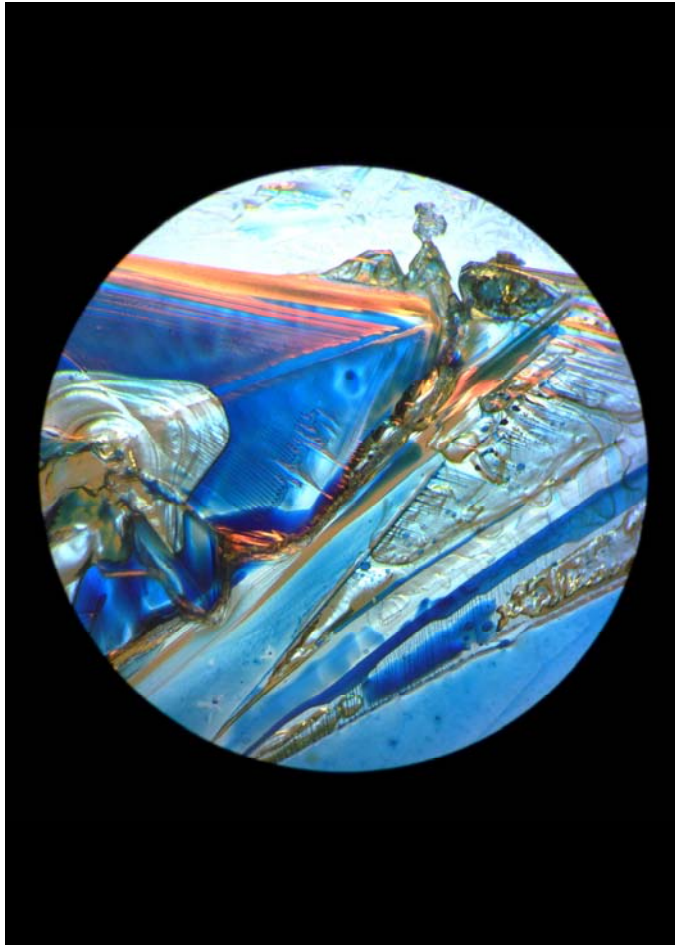
Northern Landscape SY07



Flamenco Dancer SY11

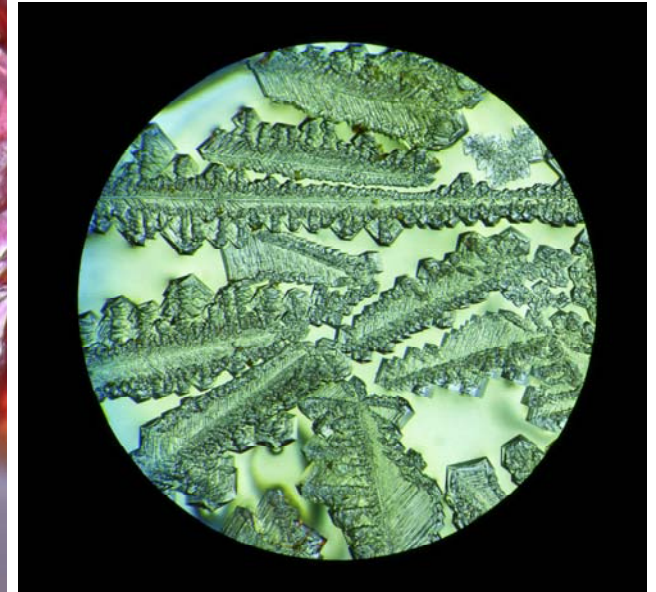
Lounging Woman XY25

Xylitol sugar crystal with blue food coloring. White LED and incandescent light. Microscope magnification 25x



Under the Influence SU01

Crystals of unrefined sugar with red wine. White LED and incandescent light. Microscope magnification 25x



ZigZag Arrangement LS38

Light Salt crystals (sodium and potassium chloride) with green food coloring. White LED light. Microscope magnification 12x

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