

The KALAMAZOO Section  
of the American Chemical Society  
presents a Science Cafe:



## Horticultural Chemistry: Colors in Flowers

Presented by Dr. Gus Guzinski



6 PM, Tuesday, September 17, 2013  
Wedel's, 5020 Texas Drive, Kalamazoo, (269) 345-1195

**Public event - refreshments served**

This presentation will describe the effect of pigments present in flowers and other parts of plants. The slides will show colors produced by the different types of pigments in flowers with the chemistry of these pigments described in "popular science" terms. That is, **the average gardener should find this talk as informative as the average chemist.** Flower pigments produce an amazing range of colors. Despite this, the bio-synthetic pathways of pigment production is very similar in all plant genera; this is true whether describing flowers or fruit or vegetables. This talk will describe carotenoid and anthocyanin pigments and their visual interactions to produce a range of colors. Pigment color is also modified by the chemical environment and its position in plant cells. There is a reason that no one has produced a blue rose or a blue daylily despite the presence of this color in other flowers.

For questions, contact the Chair at [Elke.Schoffers@wmich.edu](mailto:Elke.Schoffers@wmich.edu).

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