



MACRO PHOTOGRAPHY,  
**Exploring the  
Tiny Landscapes**

By Mike Moats

Dragonfly on Coneflower  
© Mike Moats

**M**acro photography offers a window into the miniature world, revealing details that are often invisible to the naked eye. This article will help you embark on your macro photography journey, covering essential equipment, techniques, and tips to capture stunning close-up images.

### Understanding Macro Photography

Macro photography involves taking close-up pictures of small subjects, typically at a 1:1 magnification ratio or greater. This means that the subject appears life-size or larger on the camera sensor, allowing you to capture minute details.



Frost Covered Black Eyed Susan © Mike Moats



Fern on Burn © Mike Moats



Frog in Duckweed © Mike Moats



Sunflower © Mike Moats

### Essential Equipment for Macro Photography

- 1. Macro Lens:** A dedicated macro lens is designed for close-up photography. These lenses offer high magnification ratios and can focus at very short distances. Popular focal lengths for macro lenses range from 50mm to 200mm. Many zoom lenses of today will allow you to focus into close-up range.
- 2. Close-Up Filters:** Also known as diopters, these filters screw onto the front of your lens, functioning like a magnifying glass to increase magnification.
- 3. Tripod:** Stability is crucial in macro photography. A sturdy tripod minimizes camera shake, ensuring sharp images.
- 4. Lighting:** Proper lighting is essential. I prefer to use the natural light available, and that goes for outside and even in my home.

## Techniques for Stunning Macro Shots

- 1. Focus and Depth of Field:** Achieving sharp focus is critical in macro photography. Use manual focus for precision. Depth of Field (DOF) is very shallow at close distances, so experiment with different apertures. A smaller aperture (higher f-number) increases DOF but requires more light, but I raise my ISO up to speed up the shutter in low light.
- 2. Composition:** Pay attention to the composition of your shot. Use the rule of thirds to place your subject off-center for a more dynamic image. Fill the frame with your subject to highlight intricate details.
- 3. Background:** A cluttered background can distract from your subject. Use a wide aperture to create a pleasing bokeh effect, blurring the background and making your subject stand out. I will use printed backgrounds to avoid cluttered conditions.
- 4. Steady Hands and Patience:** Macro photography requires patience and a steady hand. If you're shooting handheld, practice good hand-holding techniques and consider using image stabilization features if available.

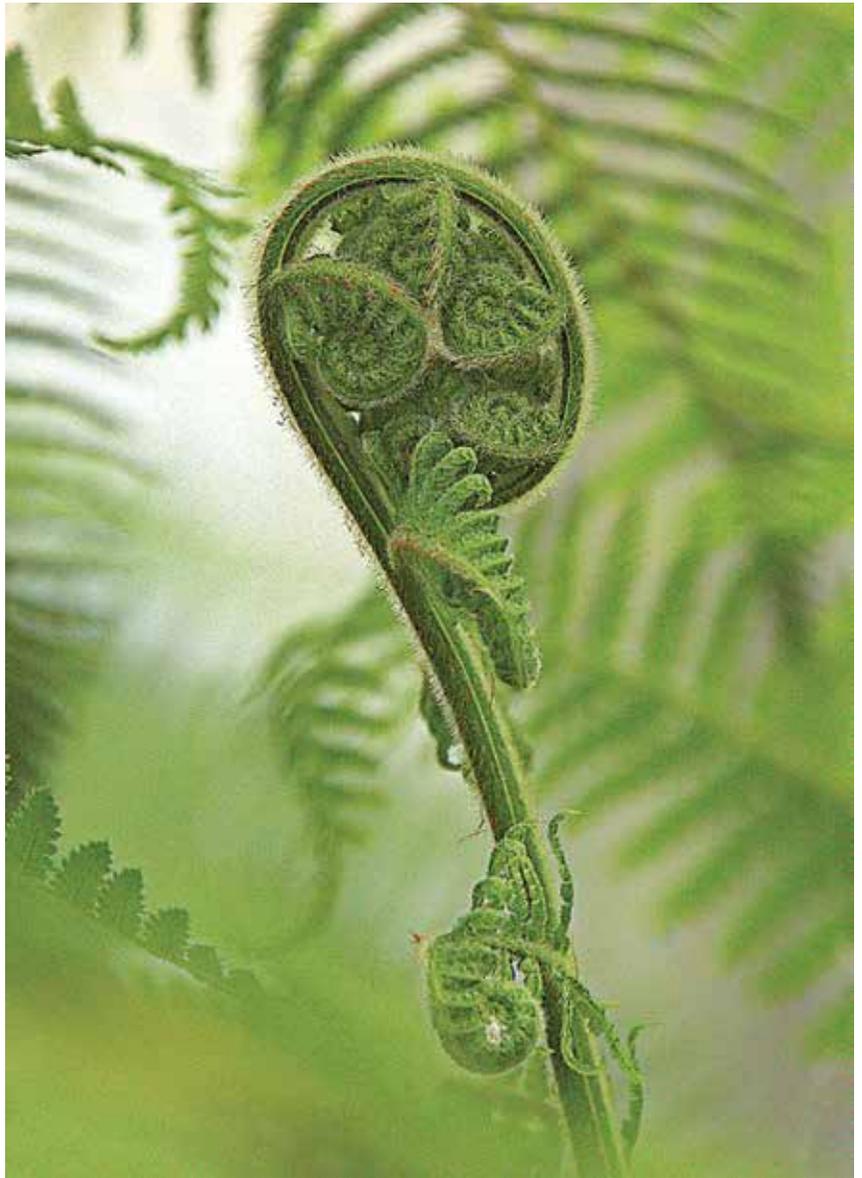
## Tips for Better Macro Photography

- 1. Practice with Everyday Objects:** Start with everyday objects around your home to practice and hone your skills. Flowers, insects, and textures like fabric or wood grain make great subjects.
- 2. Experiment with Angles:** Try different angles and perspectives. Shooting from above, below, or at eye level with your subject can yield interesting and unique results.
- 3. Post-Processing:** Don't be afraid to enhance your images in post-processing. Adjustments to contrast, sharpness, and color can make your macro shots even more striking.

## Conclusion

Macro photography opens up a world of intricate details and beauty. With the right equipment, techniques, and a bit of practice, you can capture stunning images. Macro photography offers endless opportunities for creativity and exploration.

## Happy shooting!

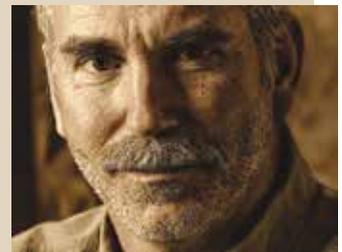


Fern Fiddlehead © Mike Moats



Hoverfly on Chicory © Mike Moats

**Mike Moats** is an international award-winning full time pro macro photographer from Michigan. Mike's articles and images



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