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This leaflet is prepared well in advance to provide information before you apply, and therefore, there may be alterations to courses or facilities. Whilst every effort is made to avoid any changes, we reserve the right to withdraw or amend any part of this programme without prior notice.

**This is part of the programme of professional development courses run by the School of Science and the Environment.**



# **The *Juncaceae*: Rushes and Woodrushes**

An introduction

***With Mark Duffell***

***Wednesday 31<sup>st</sup> August 2016  
The Gateway, Shrewsbury***

## *The Juncaceae: Rushes and Woodrushes*

**Where:** The Gateway, Chester Street, Shrewsbury

**When:** Wednesday 31<sup>st</sup> August 2016, 10.00am – 4.00pm

**How much:** £45.00

Grasses, Sedges and Rushes make up almost a third of the British Flora; yet many botanists and ecologists shun them as too difficult to identify in part due to their small flowering and fruiting parts that can look quite similar.

Rushes belong to the family *Juncaceae* and are excellent ecological indicators. This makes it important to identify them to species, especially as many of them are rare or scarce and several species form important community constants in the National Vegetation Classification.

Following an introduction to Grasses, Sedges and Rushes and how to separate them we will concentrate on the key characters that define members of the *Juncaceae*.

This one day workshop will provide an introduction to this family and we will look at and identify a wide range of fresh and preserved material. In addition to a range of common rushes, we will also look at some of the less common species which are also good habitat indicators. Please feel free to bring any ‘mystery specimens’ you may have.


At the end of the session, you should be familiar with the main features of Rush vegetative parts and flowers and the diagnostic features that separate out the common species. You will also have an opportunity to key out some less common specimens.

Useful items to bring are a 10x hand lens and identification guides such as the New Flora of the British Isles (2<sup>nd</sup> or 3<sup>rd</sup> edition), by Clive Stace.

Tutor: Mark Duffell runs *Arvensis Ecology*, splitting his time between conducting botanical surveys and teaching botanical identification and survey techniques.

Prior booking is essential – please fill in the form opposite and return with your payment to the MMU office at the Gateway or visit the online store: <http://www.sste.mmu.ac.uk/recording/> and go to the online store.

If you require a certificate of attendance for CPD purposes, please email [biorec@mmu.ac.uk](mailto:biorec@mmu.ac.uk) before you attend the course.

 <b>Manchester Metropolitan University</b>	<b>SCHOOL OF SCIENCE AND THE ENVIRONMENT</b>  <b>ENROLMENT FORM 2016</b>
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<b>The <i>Juncaceae</i>: Rushes and Woodrushes</b>	<b>31<sup>st</sup> August 2016</b>	
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