

PREPARING ARTWORK FOR SUBMISSION

FOR THE PURPOSES OF THIS GUIDE, ARTWORK IS DEFINED AS ALL NON-TEXTUAL TWO-DIMENSIONAL VISUAL CONTENT INCLUDING BUT NOT LIMITED TO, FIGURES, MAPS, DRAWINGS, SKETCHES, GRAPHS, PAINTINGS, ILLUSTRATIONS AND PHOTOGRAPHS. TIME BASED MEDIA IS DEFINED AS AUDIO AND VIDEO CONTENT.

For the purposes of this guide, artwork is defined as all non-textual two-dimensional visual content including but not limited to, figures, maps, drawings, sketches, graphs, paintings, illustrations and photographs. Time based media is defined as audio and video content..

INTELLECTUAL RIGHTS

DAC journal considers all submitted artwork on the condition author(s) confirm that third-party intellectual property rights are not violated in any way.

Author(s) are responsible for securing permissions to publish copyrighted material, such as photographs and other artwork and for paying any fees involved. Production of an article will not begin until the editor has received all relevant permissions.

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ARTWORK SPECIFICATIONS

Digital artwork could be either raster images (bitmap graphics) produced with a scanner or captured with a digital camera, or vector images (vector graphics) created with vector editing software or a combination of both (combination artwork). To ensure best quality reproduction digital images must have enough pixel count (resolution) to accommodate scaling to the required print size and

saved to the recommended file format. Vector graphics are resolution independent and are rasterized at the required print resolution when imported to the page layout program.

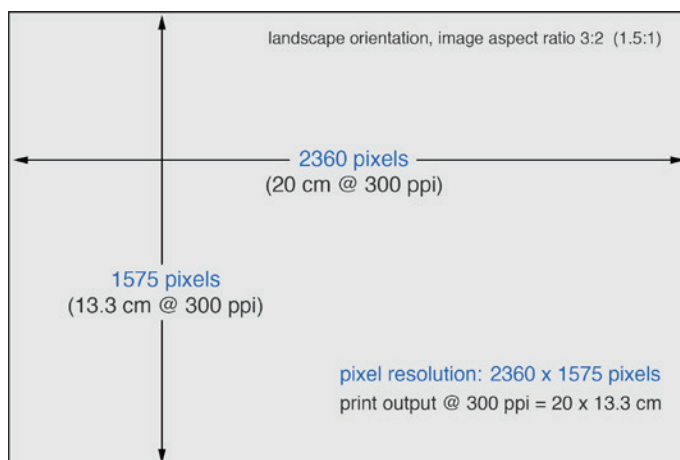
SIZE AND RESOLUTION

Submitted raster images horizontal (width) dimension should be no less than 20 cm (approx. 8 inches) at a set resolution of 300 ppi (pixels per inch) which equals to an image width pixel count of 2360 pixels; height will be determined by the aspect ratio of the source image.

This means your digital image must have a minimum width of 2360 pixels.



FIGURE 1. A DIGITAL RASTER IMAGE WITH ASPECT RATIO 3:2 AND PIXEL RESOLUTION 2360 X 1575 PIXELS WHEN PRINTED AT 300 PIXELS PER INCH (OUTPUT RESOLUTION) WILL PRODUCE A 20 X 13,3 CM (7.9 X 5.3 IN) PRINT.



COLOR MODE, BIT DEPTH AND COLOR SPACE

Raster images should be encoded in RGB color mode with a bit depth of 8-bits per color channel (24-bits per pixel) and in sRGB color space. When saving your final images ensure sRGB color profile is embedded in the image.

If you are submitting existing digital images with no color information already encoded in Grayscale color mode you do not need to convert to RGB mode and you can submit as is.

FILE FORMATS

Recommended file formats for artwork and time based media (Fig2):

FILE NAMING

Please name artwork files as "Figure 1, 2, 3..." according to the order they appear in your manuscript text. Always use a consistent scheme for all files, like (Fig3):

(*) For proper format identification ensure file extension is always included in the file name.

CAPTIONS

Ensure that each image has a caption. A caption should comprise a brief title and a short description. If the image is not the property of the author(s) or has been previously published ensure that the necessary credit line or acknowledgments are included. Captions should be submitted separately as text in a text file, not embedded in the image.

Format	Extension
TIFF (Tagged Image File Format)	.TIF .TIFF
JPEG (Joint Photographic Experts Group)	.JPG .JPEG
EPS (Encapsulated PostScript)	.EPS
PDF (Portable Document Format)	.PDF
MP3	.MP3
MP4	.mp4
M4V	.m4v
QuickTime (Quick Time File Format)	.mov

Figure_01.tif	Figure-01.tif	Fig(01).tif
Figure	Figure	Fig
Figure_09.eps	Figure-09.eps	Fig(09).eps
Figure_10.pdf	Figure-10.pdf	Fig(10).pdf

Figure 3

Details
Preferred file format for raster images of line art, monochrome images and photographs (grayscale or color) <ul style="list-style-type: none">• Image should be in RGB color mode• Bit depth should be 8-bits/channel (24-bits/pixel)• Image should be in sRGB color space• Image data should be on one single background layer (flattened) with no extra data like layers, alpha channels, type layers, masks etc.
Acceptable file format for raster images (photographs). <ul style="list-style-type: none">• Image must be in RGB color mode• Image should be saved at "maximum quality" setting• Image should be in sRGB color space
Preferred file format for vector only images (vector line art, graphs, charts, technical drawings etc.) or a combination of raster and vector graphics.
Acceptable file format for raster images, vector graphics or a combination of both.
Preferred format for audio content Audio bit rate at least 256 kbps
Preferred format for video content (*) <ul style="list-style-type: none">• Frame rate: 25 frames per second (minimum)• Video codec: H.264• Audio codec: AAC• Video bit rate: at least 10 Mbps• Resolution: Full HD 1080p (1920x1080 pixels)
Acceptable video format
Acceptable video format



Figure 2

3D OBJECTS

We encourage the submission of 3D objects (models) that can be viewed interactively from within a PDF document.

- 3D artwork should be submitted only in U3D (Universal 3D) format.
- Author(s) should embed U3D files into a single blank PDF page before submission.
- Author(s) will also need to supply a flat image only version of each digital object to be used for the print version of the article.

Important note: Embedded 3D images will function correctly when the PDF document is opened with Adobe Acrobat. If the reader opens the PDF directly within a web browser window the interactive elements may not function properly.

(*) more on displaying 3D models can be found here:
<https://helpx.adobe.com/acrobat/using/displaying-3d-models-pdfs.html>

SUBMISSION CHECKLIST

- Intellectual rights are cleared.
- Digital files are in the correct format.
- Images are provided in the preferred color mode (RGB) and color space (sRGB).
- The physical (print) dimensions of the artwork match the required dimensions of the journal. (See: Size and Resolution)
- The recommended file-naming conventions have been used. (See: File Naming)
- All images are provided as separate files.
- All artwork is numbered according to its sequence in the text.
- All images have captions and these are provided on a separate text file. All figures are referred to in the text of the manuscript.