

# **14th International Conference on Advances in Mass Data Analysis of Images and Signals in Medicine, Biotechnology, Chemistry and Food Industry (MDA 2019)**

New York, New York, USA  
13-16 July 2019

**Editors:**

**Petra Perner**

ISBN: 978-1-5108-9521-8

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© (2019) by ibai-publishing  
All rights reserved.

Printed with permission by Curran Associates, Inc. (2020)

For permission requests, please contact ibai-publishing  
at the address below.

ibai-publishing  
Arno-Nitzsche-Str. 45  
04277 Leipzig, Germany

[info@ibai-publishing.org](mailto:info@ibai-publishing.org)

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2633  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

## Table of Content

Telemedicine Data Flow Models <i>Calin Ciufudean</i> .....	1
Image analysis technique and procedure for its application in 2D <i>Javier Bilbao, Imanol Bilbao, Andoni Olozaga and Cristina Feniser</i> .....	10
Indirect Determination of Mycotoxin Concentration with Image Processing and Data Mining <i>Petra Perner</i> .....	23
The Improved Algorithm of Barrier Tree in RNA Folding Structure Based on Basin Hopping Graph <i>Zhendong Liu, Gang Li, and Patrick Wang</i> .....	31
Automatic Liver Segmentation Using shape context constraint Network <i>Lifang Zhou, Lu Wang, Patrick Wang, Weisheng Li, Bangjun Lei , and Xueyuan Deng</i> .....	41
Author's Index .....	49