

# Dr Ayham Zaitouny



THE UNIVERSITY OF  
**WESTERN  
AUSTRALIA**

Dr Ayham Zaitouny

Research Fellow

Theme 2

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Personal Website

## Publications

- [Reservoir time series analysis: Using the response of complex dynamical systems as a universal indicator of change \(...\)](#) —

Journal Article

[Braden Thorne](#)

**Authors: Thorne, Braden Jüngling, Thomas Small, Michael Corrêa, Débora Zaitouny, Ayham**

2022-02-10

- [Objective Domain Boundaries Detection in New Caledonian Nickel Laterite from Spectra Using Quadrant Scan \(...\)](#) —

Journal Article

[Dr Ayham Zaitouny](#)

**Authors: Zaitouny A, Ramanaidou E, Hill J, Walker DM, Small M**

2022-01-01

- [Detecting Asset Cascading Failures Using Complex Network Analysis \(...\)](#) —

Journal Article

[Dr Ayham Zaitouny](#)

**Authors: Jaymin Moffatt; Ayham Zaitouny; Melinda Hodkiewicz; Michael Small**

2021-08-27

- [On using the modularity of recurrence network communities to detect change-point behaviour \(...\)](#) —

Journal Article

[Dr Ayham Zaitouny](#)

**Authors: David M. Walker, Ayham Zaitouny, Debora C. Correa\***

2021-03-01

- [Fast automatic detection of geological boundaries from multivariate log data using recurrence \(...\)](#) —

Journal Article

[Dr Ayham Zaitouny](#)

**Authors: Michael Small; June Hill; Irina Emelyanova; Michael Ben Clennell**

2019-11-12

- [Quadrant scan for multi-scale transition detection \(...\)](#) —

Journal Article

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**Authors: Zaitouny, A., Walker, D.M. and Small, M., 2019.**

2019-10-08

- [Fast automatic detection of geological boundaries from multivariate log data using recurrence. \(..\)](#) —

## Journal Article

[Dr Ayham Zaitouny](#)

**Authors: Zaitouny, A., Small, M., Hill, J., Emelyanova, I. and Clennell, M.B., 2020. Fast automatic detection of geological boundaries from multivariate log data using recurrence. Computers & Geosciences, 135, p.104362.**

2019-11-12

- [Sensitization to immune checkpoint blockade through activation of a STAT1/NK axis in the tumor microenvironment \(...\)](#) —

## Journal Article

[Dr Ayham Zaitouny](#)

**Authors: Rachael M. Zemek, Emma De Jong, Wee Loong Chin, Iona S. Schuster, Vanessa S. Fear, Thomas H. Casey, Cath Forbes, Sarah J. Dart, Connall Leslie, Ayham Zaitouny, Michael Small, Louis Boon, Alistair R. R. Forrest, Daithi O. Muiri, Mariapia A. Degli-Esposti**

2019-07-17

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## Presentations

- [Master Class - Pattern Recognition and Change Point Detection \(...\)](#) —



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2021-03-04

- [Sydney dynamics group workshop \(...\)](#) —



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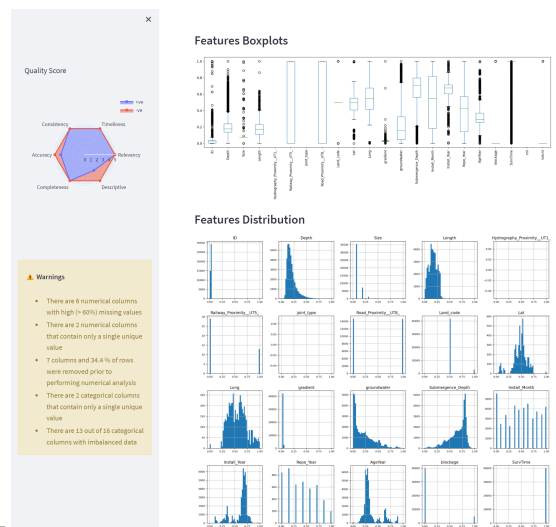
2019-11-05

## Awards and Prizes

### Content by label

There is no content with the specified labels

## Tools



- [IDEA Tool \(...\)](#) — 2022-07-06

Evaluate the appropriateness of data for the purposes of maintenance predictive analytics

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