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Southern South China Sea Dynamics: Sea Level Change from Coupled Model Intercomparison Project Phase 6 (CMIP6) in the 21st Century

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Abstract:

Sea level rise will significantly impact coastal areas around the world. As a coastal country, Malaysia's rising sea levels are a significant concern because they would affect 70% of its population. The study of sea level rise is important in order to implement effective mitigation and adaptation strategies. This study investigates the performance of CMIP6 Global Climate Models (GCMs) in simulating sea level rise in the Malaysian seas using various statistical methods. The models' performances were

evaluated by comparing historic CMIP6 GCM runs from 1993 to 2010 with sea level measurements from the satellite altimetry AVISO+ using the Taylor diagram. The SCS (SCSPM and SCSEM) had a higher sea level range and trend in both selected areas than the SM and SS. With 1.5 degrees C warmings, the multi-model ensemble means predicted that the SCS would rise by 16 mm near the Peninsular, with sea levels increasing by 0.908 m at a rate of 1.5 mm/year, and by 14.5 mm near East Malaysia, with sea levels increasing by 0.895 m at a rate of 1.1 mm/year. In contrast, 2.0 degrees C warmings project that SCSPM and SCSEM would cause sea levels to rise by 20.2 mm and 21.5 mm, respectively, at a rate of 0.6 mm/year and 0.7 mm/year. This information will provide an insight into Malaysian sea levels between now and the end of the twenty-first century, which will be beneficial for government agencies, academics, and relevant stakeholders.

Keywords

Author Keywords: dynamic sea level; sea level rise; CMIP6; South China Sea; future projections; climate change

Keywords Plus: RISE; CLIMATE; IMPACT; VARIABILITY; SCENARIOMIP; PATTERNS

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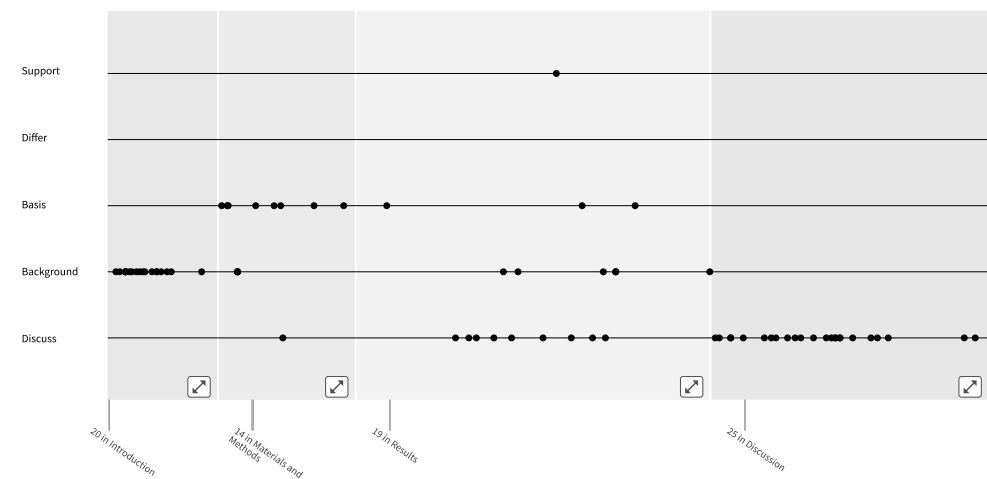
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Framing, Context, and Methods

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The physical science basis in the sixth assessment report of the intergovernmental panel on climate change

18

Citations

0

References

Cited in Article: 1

2 Impacts of and Adaptations to Sea Level Rise in Malaysia

Sarkar, MSK; Begum, RA; (...); Saari, MY
2014 |
ASIAN JOURNAL OF WATER ENVIRONMENT AND POLLUTION
11 (2) , pp.29-36
IOS PRESS, NIEUWE HEMWEG 6B, 1013 BG
AMSTERDAM, NETHERLANDS

10

Citations

0

References

Cited in Article: 1

3 Sea-Level Rise and Its Impact on Coastal Zones

Nicholls, RJ and Cazenave, A
Jun 18 2010 | SCIENCE 328 (5985) , pp.1517-1520

Full Text at Publisher ...

Cited in Article: 1

1,508

Citations

46

References

Related records

4 [Not available]

1993 | CLIMATE SEA LEVEL CH

Cited in Article: 1

50

Citations

0

References

5 ENVIRONMENTAL AND ECONOMIC-
IMPLICATIONS OF RISING SEA-LEVEL
AND SUBSIDING DELTAS - THE NILE AND
BENGAL EXAMPLES

MILLIMAN, JD; BROADUS, JM and GABLE, F
1989 | AMBIO 18 (6) , pp.340-345

...

Cited in Article: 1

147

Citations

47

References

[Related records](#)

6 [Not available]
1984 | GREENHOUSE EFFECT SE

Cited in Article: 1

3

Citations

0

References

7 Future Changes in the Global and
Regional Sea Level Rise and Sea Surface
Temperature Based on CMIP6 Models

Sung, HM; Kim, J; (...); Kim, YH
Jan 2021 | ATMOSPHERE 12 (1)

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

9

Citations

81

References

[Related records](#)

8 Sea level rise projections for northern
Europe under RCP8.5

Grinsted, A; Jevrejeva, S; (...); Dahl-Jensen, D
2015 | CLIMATE RESEARCH 64 (1) , pp.15-23

[Free Full Text From Publisher](#) ...

Cited in Article: 1

79

Citations

50

References

9

Regional Climate Projections

[Christensen, JH](#); [Hewitson, B](#); (...); [Whetton, P](#)
2007 |
AR4 CLIMATE CHANGE 2007: THE PHYSICAL
SCIENCE BASIS
, pp.847-940

...

Cited in Article: 1

2,646

Citations

605

References

[Related records](#)

10

Climate projections of sea level rise and associated coastal inundation in atoll islands: Case of Lakshadweep Islands in the Arabian Sea

[Jennath, A](#); [Krishnan, A](#); (...); [Bhaskaran, PK](#)
May 2021 | Apr 2021 (Early Access) |
REGIONAL STUDIES IN MARINE SCIENCE 44

[View full text](#) ...

Cited in Article: 2

2

Citations

61

References

[Related records](#)

11

Coastal erosion and reclamation in Malaysia

[Ghazah, Nor Hisham M.](#)
Apr-jun 2006 |
Aquatic Ecosystem Health & Management 9 (2) ,
pp.237-247

Cited in Article: 1

32

Citations

0

References

12

Current and potential impacts of sea level rise in the coastal areas of

18

Citations

Malaysia

0

References

[Ehsan, S.](#); [Begum, R.A.](#); (...); [Maulud, K.N.A.](#)
3rd International Conference on Science and
Technology Applications in Climate Change
2019 |
IOP Conference Series: Earth and Environmental
Science
228 , pp.012023 (11 pp.)

Cited in Article: 3

13

Planning for the Impacts of Sea Level
Rise

192

Citations

[Nicholls, RJ](#)
Jun 2011 | OCEANOGRAPHY 24 (2) , pp.144-157

84

References

[Free Full Text from Publisher](#) ...

Cited in Article: 1

[Related records](#)

14

Regional Dynamic Sea Level Simulated
in the CMIP5 and CMIP6 Models: Mean
Biases, Future Projections, and Their
Linkages

33

Citations

[Lyu, KW](#); [Zhang, XB](#) and [Church, JA](#)
Aug 1 2020 | JOURNAL OF CLIMATE 33 (15) , pp.6377-
6398

85

References

[Free Full Text From Publisher](#) ...

Cited in Article: 2

[Related records](#)

15

Paleoclimatic evidence for future ice-
sheet instability and rapid sea-level rise

317

Citations

[Overpeck, JT](#); [Otto-Bliesner, BL](#); (...); [Kiehl, JT](#)
Mar 24 2006 | SCIENCE 311 (5768) , pp.1747-1750

38

References

[Cited in Article 1](#)

[Full Text at Publisher](#)

[Related records](#)

16

The dynamic effects of sea level rise on low-gradient coastal landscapes: A review

[Passeri, DL](#); [Hagen, SC](#); (...); [Wang, DB](#)

Jun 2015 | EARTH'S FUTURE 3 (6) , pp.159-181

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

180

Citations

193

References

[Related records](#)

17

Resilience of Infrastructure Systems to Sea-Level Rise in Coastal Areas: Impacts, Adaptation Measures, and Implementation Challenges

[de Almeida, BA](#) and [Mostafavi, A](#)

Nov 2016 | SUSTAINABILITY 8 (11)

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

46

Citations

79

References

[Related records](#)

18

Modeling, monitoring, and mitigating sea level rise

[Snow, MM](#) and [Snow, RK](#)

2009 | MANAGEMENT OF ENVIRONMENTAL QUALITY 20 (4) , pp.422-433

EMERALD GROUP PUBLISHING LTD, HOWARD HOUSE, WAGON LANE, BINGLEY BD16 1WA, W YORKSHIRE, ENGLAND

7

Citations

0

References

Cited in Article: 1

19

Twenty-First Century Drought Projections in the CMIP6 Forcing Scenarios

Cook, BI; Mankin, JS; (...); Anchukaitis, KJ
Jun 2020 | EARTHS FUTURE 8 (6)
Free Published Article From Repository
Full Text at Publisher View Full Text on ProQuest

...

Cited in Article: 1

255

Citations

85

References

Related records

20

Physical processes that impact the evolution of global mean sea level in ocean climate models

Griffies, SM and Greatbatch, RJ
Jul 2012 | OCEAN MODELLING 51 , pp.37-72

Full Text at Publisher ...

Cited in Article: 4

93

Citations

105

References

Related records

21

OMIP contribution to CMIP6: experimental and diagnostic protocol for the physical component of the Ocean Model Intercomparison Project

Griffies, SM; Danabasoglu, G; (...); Yeager, SG
Sep 19 2016 |
GEOSCIENTIFIC MODEL DEVELOPMENT 9 (9) ,
pp.3231-3296

Free Full Text from Publisher ...

Cited in Article: 1

165

Citations

236

References

Related records

22 The impact of Greenland melt on local sea levels: a partially coupled analysis of dynamic and static equilibrium effects in idealized water-hosing experiments A letter

[Kopp, RE](#); [Mitrovica, JX](#); (...); [Stouffer, RJ](#)
Dec 2010 | CLIMATIC CHANGE 103 (3-4) , pp.619-625

[Full Text at Publisher](#) ...

Cited in Article: 1

87
Citations

14
References

[Related records](#)

23 Identifying the causes of sea-level change

[Milne, GA](#); [Gehrels, WR](#); (...); [Tamsiea, ME](#)
Jul 2009 | NATURE GEOSCIENCE 2 (7) , pp.471-478

[Free Accepted Article From Repository](#)

[Full Text at Publisher](#)

...

Cited in Article: 1

324
Citations

99
References

[Related records](#)

24 Recent mass balance of polar ice sheets inferred from patterns of global sea-level change

[Mitrovica, JX](#); [Tamsiea, ME](#); (...); [Milne, GA](#)
Feb 22 2001 | NATURE 409 (6823) , pp.1026-1029

[Free Full Text From Publisher](#) ...

Cited in Article: 2

367
Citations

29
References

[Related records](#)

25 Overview of the Coupled Model Intercomparison Project Phase 6 (CMIP6) experimental design and organization

[Eyring, V](#); [Bony, S](#); (...); [Taylor, KE](#)

3,570
Citations

49
References

2016 | GEOSCIENTIFIC MODEL DEVELOPMENT 9 (5) ,
pp.1937-1958

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

[Related records](#)

26 Changes of Southern Hemisphere
westerlies in the future warming
climate

[Deng, KQ](#); [Azorin-Molina, C](#); (...); [Chen, DL](#)
Jun 1 2022 | Feb 2022 (Early Access) |
ATMOSPHERIC RESEARCH 270

[Free Full Text From Publisher](#) ...

Cited in Article: 1

8
Citations

50
References

[Related records](#)

27 The Scenario Model Intercomparison
Project (ScenarioMIP) for CMIP6

[O'Neill, BC](#); [Tebaldi, C](#); (...); [Sanderson, BM](#)
Sep 28 2016 |
GEOSCIENTIFIC MODEL DEVELOPMENT 9 (9) ,
pp.3461-3482

[Free Full Text from Publisher](#) ...

Cited in Article: 1

1,261
Citations

74
References

[Related records](#)

28 Summarizing multiple aspects of model
performance in a single diagram.

[Taylor, KE](#)
Apr 16 2001 |
JOURNAL OF GEOPHYSICAL RESEARCH-
ATMOSPHERES
106 (D7) , pp.7183-7192

[Full Text at Publisher](#) ...

Cited in Article: 1

4,722
Citations

17
References

[Related records](#)

29 Coastal Structures as Beach Erosion Control and Sea Level Rise Adaptation in Malaysia: A Review

[Rashidi, AHM](#); [Jamal, MH](#); (...); [Abd Hamid, MR](#)
Jul 2021 | WATER 13 (13)

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...

Cited in Article: 4

13
Citations

153
References

[Related records](#)

30 Performance of CMIP6 models in simulating the dynamic sea level: Mean and interannual variance

[Chen, HY](#); [He, ZQ](#); (...); [Zhuang, W](#)
Jan 2023 |
ATMOSPHERIC AND OCEANIC SCIENCE LETTERS 16 (1)

[Free Full Text from Publisher](#) ...

Cited in Article: 1

1
Citation

32
References

[Related records](#)

31 An overview of the performance of CMIP6 models in the tropical Atlantic: mean state, variability, and remote impacts

[Richter, I](#) and [Tokinaga, H](#)
Nov 2020 | Aug 2020 (Early Access) |
CLIMATE DYNAMICS 55 (9-10) , pp.2579-2601

 Enriched Cited References

[Full Text at Publisher](#) ...

Cited in Article: 1

51
Citations

63
References

[Related records](#)

32 CMIP6 Simulations With the CMCC Earth System Model (CMCC-ESM2)

19
Citations

[Lovato, T](#); [Peano, D](#); (...); [Navarra, A](#)
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JOURNAL OF ADVANCES IN MODELING EARTH
SYSTEMS
14 (3)

[Free Published Article From Repository](#)

[Full Text at Publisher](#) [View Full Text on ProQuest](#)

...

Cited in Article: 1

140

References

[Related records](#)

33 Global Mean Climate and Main Patterns
of Variability in the CMCC-CM2 Coupled
Model

[Cherchi, A](#); [Fogli, PG](#); (...); [Navarra, A](#)
Jan 2019 |
JOURNAL OF ADVANCES IN MODELING EARTH
SYSTEMS
11 (1) , pp.185-209

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

125

Citations

123

References

[Related records](#)

34 A Higher-resolution Version of the Max
Planck Institute Earth System Model
(MPI-ESM1.2-HR)

[Muller, WA](#); [Jungclaus, JH](#); (...); [Marotzke, J](#)
Jul 2018 |
JOURNAL OF ADVANCES IN MODELING EARTH
SYSTEMS
10 (7) , pp.1383-1413

[Free Full Text from Publisher](#)

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...

Cited in Article: 1

170

Citations

124

References

[Related records](#)

35

Max Planck Institute Earth System Model (MPI-ESM1.2) for the High-Resolution Model Intercomparison Project (HighResMIP)

[Gutjahr, O](#); [Putrasahan, D](#); (...); [Stossel, A](#)
Jul 25 2019 |
GEOSCIENTIFIC MODEL DEVELOPMENT 12 (7) ,
pp.3241-3281

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

129

Citations

123

References

[Related records](#)

36

Overview of the Norwegian Earth System Model (NorESM2) and key climate response of CMIP6 DECK, historical, and scenario simulations

[Seland, O](#); [Bentsen, M](#); (...); [Schulz, M](#)
Dec 4 2020 | GEOSCIENTIFIC MODEL DEVELOPMENT
13 (12) , pp.6165-6200

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 2

144

Citations

135

References

[Related records](#)

37

The Norwegian Earth System Model, NorESM1-M Part 1: Description and basic evaluation

[Bentsen, M.](#)
2012 | Geosci. Model Dev. Discuss. 5 , pp.2843-2931

Cited in Article: 1

91

Citations

0

References

38

216

The Norwegian Earth System Model,
NorESM1-M - Part 2: Climate response
and scenario projections

[Iversen, T](#); [Bentsen, M](#); (...); [Seierstad, IA](#)
2013 | GEOSCIENTIFIC MODEL DEVELOPMENT 6 (2) ,
pp.89-115
[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

Citations

105

References

[Related records](#)

39

Performance of the Taiwan Earth
System Model in Simulating Climate
Variability Compared With Observations
and CMIP6 Model Simulations

[Wang, YC](#); [Hsu, HH](#); (...); [Shiu, CJ](#)
Jul 2021 |
JOURNAL OF ADVANCES IN MODELING EARTH
SYSTEMS
13 (7)

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 2

13

Citations

130

References

[Related records](#)

40

The Beijing Climate Center Climate
System Model (BCC-CSM): the main
progress from CMIP5 to CMIP6

[Wu, TW](#); [Lu, YX](#); (...); [Liu, XH](#)
Apr 24 2019 |
GEOSCIENTIFIC MODEL DEVELOPMENT 12 (4) ,
pp.1573-1600

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

329

Citations

85

References

[Related records](#)

41 Evaluation of multidimensional simulations of summer air temperature in China from CMIP5 to CMIP6 by the BCC models: From trends to modes

[Liu, YW](#); [Zhao, L](#); (...); [Zhang, L](#)
Feb 2022 | Jan 2022 (Early Access) |
ADVANCES IN CLIMATE CHANGE RESEARCH 13 (1) ,
pp.28-41

[Free Full Text from Publisher](#) ...

Cited in Article: 1

4
Citations

59
References

[Related records](#)

42 Underestimated MJO Variability in CMIP6 Models

[Le, PVV](#); [Guilloteau, C](#); (...); [Foufoula-Georgiou, E](#)
Jun 28 2021 | GEOPHYSICAL RESEARCH LETTERS 48
(12)

 Enriched Cited References

[Free Full Text From Publisher](#) ...

Cited in Article: 1

12
Citations

50
References

[Related records](#)

43 MJO Propagation Across the Maritime Continent: Are CMIP6 Models Better Than CMIP5 Models?

[Ahn, MS](#); [Kim, D](#); (...); [Kim, H](#)
Jun 16 2020 | GEOPHYSICAL RESEARCH LETTERS 47
(11)

 Enriched Cited References

[Free Full Text From Publisher](#) ...

Cited in Article: 1

62
Citations

47
References

[Related records](#)

44 Representation of Modes of Variability in Six US Climate Models

16
Citations

[Orbe, C](#); [Van Roekel, L](#); (...); [Zhao, M](#)

Sep 1 2020 | JOURNAL OF CLIMATE 33 (17) , pp.7591-7617

97

References

[Free Submitted Article From Repository](#)

[Full Text at Publisher](#)

...

Cited in Article: 1

[Related records](#)

45

Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6

124

Citations

[Tebaldi, C](#); [Debeire, K](#); (...); [Ziehn, T](#)

Mar 1 2021 | EARTH SYSTEM DYNAMICS 12 (1) , pp.253-293

121

References

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 2

[Related records](#)

46

[Not available]

148

Citations

[IPCC](#)

2021 |

Climate Change 2021: The Physical Science Basis. Contribution of Working Group to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change
Cambridge University Press, Cambridge

0

References

Cited in Article: 1

47

A deep-learning model for national scale modelling and mapping of sea level rise in Malaysia: the past, present, and future

4

Citations

[Adebisi, N](#) and [Balogun, AL](#)

30

References

Dec 2 2022 | Jul 2021 (Early Access) |
GEOCATO INTERNATIONAL 37 (23) , pp.6892-6914

[Full Text at Publisher](#) ...

Cited in Article: 1

[Related records](#)

48 Arctic Warming Revealed by Multiple
CMIP6 Models: Evaluation of Historical
Simulations and Quantification of
Future Projection Uncertainties

[Cai, ZY](#); [You, QL](#); (...); [Cohen, JD](#)
Jun 2021 | JOURNAL OF CLIMATE 34 (12) , pp.4871-
4892

 Enriched Cited References

[Free Full Text From Publisher](#) ...

Cited in Article: 1

29
Citations

78
References

[Related records](#)

49 Exploring Perturbed Physics Ensembles
in a Regional Climate Model

[Bellprat, O](#); [Kotlarski, S](#); (...); [Schar, C](#)
Jul 1 2012 | JOURNAL OF CLIMATE 25 (13) , pp.4582-
4599

[Free Full Text From Publisher](#) ...

Cited in Article: 1

48
Citations

69
References

[Related records](#)

50 SIMULATION OF REGIONAL CLIMATE
USING A LIMITED AREA MODEL NESTED
IN A GENERAL-CIRCULATION MODEL

[GIORGI, F](#)
Sep 1990 | JOURNAL OF CLIMATE 3 (9) , pp.941-963

[Free Full Text From Publisher](#) ...

Cited in Article: 1

499
Citations

0
References

51 Ocean model resolution dependence of Caribbean sea-level projections

[van Westen, RM](#); [Dijkstra, HA](#); (...); [Pietrzak, JD](#)
Sep 3 2020 | SCIENTIFIC REPORTS 10 (1)

 [★ Enriched Cited References](#)

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

13

Citations

43

References

[Related records](#)

52 Spatially Modeling the Synergistic Impacts of Global Warming and Sea-Level Rise on Coral Reefs in the South China Sea

[Zuo, XL](#); [Su, FZ](#); (...); [Wu, HS](#)
Jul 2021 | REMOTE SENSING 13 (13)

 [★ Enriched Cited References](#)

[Free Full Text from Publisher](#)

[View Full Text on ProQuest](#)

...

Cited in Article: 1

1

Citation

82

References

[Related records](#)

53 Interannual and long-term sea level variability in the eastern Indian Ocean and South China Sea

[Mohan, S](#) and [Vethamony, P](#)
May 2018 | CLIMATE DYNAMICS 50 (9-10) , pp.3195-3217

[Full Text at Publisher](#) ...

Cited in Article: 2

4

Citations

94

References

[Related records](#)

54 Inter-annual sea level variability in the southern South China Sea

[Soumya, M](#); [Vethamony, P](#) and [Tkalic, P](#)
Oct 2015 | GLOBAL AND PLANETARY CHANGE 133 ,
pp.17-26

[Full Text at Publisher](#) ...

Cited in Article: 1

13
Citations

43
References

[Related records](#)

55 Sea level rise projection in the South China Sea from CMIP5 models

[Huang, CJ](#) and [Qiao, FL](#)
Mar 2015 | ACTA OCEANOLOGICA SINICA 34 (3) ,
pp.31-41

[Full Text at Publisher](#) ...

Cited in Article: 1

8
Citations

57
References

[Related records](#)

56 Impact of Sea Level Rise Due to Climate Change: Case Study of Klang and Kuala Langat Districts

[Mohamad, M.F.](#); [Abd Hamid, M.R.](#); (...); [Hamzah, A.F.](#)
Feb. 2018 |
International Journal of Engineering and
Technology
10 (1) , pp.59-65

Cited in Article: 2

6
Citations

0
References

57 IMPACT OF SEA LEVEL RISE AND TSUNAMI ON COASTAL AREAS OF NORTH-WEST PENINSULAR MALAYSIA

[Ghazali, NHM](#); [Awang, NA](#); (...); [Mokhtar, A](#)
Meeting of the Working-Group Sustainable
Development of Tidal Areas (WG-SDTA) of the

9
Citations

12
References

International-Commission-on-Irrigation-and-
Drainage (ICID)
Jul 2018 | IRRIGATION AND DRAINAGE 67 , pp.119-
129
[Full Text at Publisher](#) ...

Cited in Article: 1

[Related records](#)

58 Shoreline change analysis and erosion
prediction using historical data of Kuala
Terengganu, Malaysia

[Bagheri, M](#); [Ibrahim, ZZ](#); (...); [Vaghefi, N](#)
Aug 2019 | ENVIRONMENTAL EARTH SCIENCES 78
(15)

[Free Accepted Article From Repository](#)

[Full Text at Publisher](#)

...

Cited in Article: 1

22
Citations

75
References

[Related records](#)

59 Modification of design parameters for
coastal protection structures in view of
future sea level rise for Terengganu
Coast, Peninsular Malaysia

[Awang, N.A.](#); [Anuar, N.M.](#); (...); [Alam, S.](#)
Proceedings of the Australian Coasts Ports
Conference
2019 | P AUSTR COASTS PORTS 40 , pp.62

Cited in Article: 1

2
Citations

0
References

60 Contemporary sea level rise rates
around Malaysia: Altimeter data
optimization for assessing coastal
impact

[Hamid, AIA](#); [Din, AHM](#); (...); [Omar, KM](#)
Oct 15 2018 | JOURNAL OF ASIAN EARTH SCIENCES
166 , pp.247-259

18
Citations

32
References

61 Sea level rise and implications for low
lying islands, coasts and communities

116

Citations

[Oppenheimer, M.](#); [Glavovic, B.](#); (...); [Weyer, N.M.](#)

0

References

2019 |

IPCC Special Report on the Ocean and Cryosphere
in a changing climate Part H-O

, pp.321-445

Cambridge University Press, Cambridge, UK and
New York, NY, USA

62 [Not available]

[Mohammad Razi, M.A.](#); [Mahamud, M.](#); (...); [Mokhtar, A.](#)

2020 | Integrated Approach for Shoreline Management Plan for Coastline of Sarawak

URL:

https://www.researchgate.net/publication/338005429_Water_and_Environmental_Engineer