Suplemmentary material 2. Literature review of scientific studies focused on protection provided by coastal dunes.

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| --- | --- | --- | --- | --- |
| Year | Authors | Evidence | Disturbance | Country |
| 2001 | Power et al., 2001 | Monitoring | Erosion | Ireland |
| 2004 | Forbes et al., 2004 | Monitoring | Erosion | Canada |
| 2005 | Reis et al., 2005 | Field exp | Storms | Portugal |
| 2008 | Pries et al., 2008 | Field obs | Storms | USA |
| 2012 | Seabloom et al., 2013 | Field obs/remote/modeling | Storms | USA |
| 2012 | Splinter and Palmsten, 2012 | Num modelling | Storms | Australia |
| 2015 | Keijsers et al., 2015 | Monitoring | Flooding/erosion | Netherlands |
| 2016 | Martínez et al., 2016 | Lab exp | Erosion | Mexico |
| 2016 | Silva et al., 2016 | Lab exp | Erosion | Mexico |
| 2017 | Charbonneau et al., 2017 | Field obs | Erosion | USA |
| 2017 | Mendoza et al., 2017 | Lab exp | Erosion | Mexico |
| 2017 | Fallon et al., 2017 | Field obs | Storms | USA |
| 2019 | Maximiliano-Cordova et al., 2019 | Lab exp | Erosion | Mexico |
| 2019 | Gesing, 2019 | Interviews/field obs | Natural hazards | New Zealand |
| 2019 | Feagin et al., 2019 | Lab exp | Erosion | USA |
| 2020 | Odériz et al., 2020 | Lab exp | Erosion | Mexico |
| 2020 | Johnson et al., 2020 | Remote/modelling | Storms | USA |
| 2021 | Maximiliano-Cordova et al., 2021 | Field obs | Storms | Mexico |
| 2021 | Cunha et al., 2021 | Num modelling | Storms | Portugal |
| 2021 | Dang et al., 2021 | Num modelling | Storms | Vietnam |
| 2021 | Innocenti et al., 2021 | Lab exp | Wave runup | USA |
| 2022 | Patel et al., 2022 | Lab exp | Tsunami | Australia |
| 2023 | Maximiliano-Cordova et al., 2023 | Lab exp | Erosion | Mexico |
| 2023 | Unguendoli et al., 2023 | Num modelling | Flooding/erosion | Italy |
| 2023 | Mehrtens et al., 2023 | Num modelling | Storms | Germany |

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