

***Interactive comment on “Influence of
Hydrometeorological Hazards and Sea Coast
Morphodynamics onto Unique Coastal Vegetation
Sites Development – *Cephalanthero rubrae* –
Fagetum on Wolin Island (the Southern Baltic
Sea)” by Jacek Tylkowski et al.***

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Dear Mr. Kozłowski

Thank you very much for your review. Your comments will be taken into account in the publication process.

Line 100 Added information on the statistical methods used, incl. Mann-Kendall test,

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regression equations, determination and correlation factors.

Line 164, 165, and 180 R2 value, regression equation, and statistical significance included in the figures.

Line 189 unified terminology as climatic indicators showing the impact of long-term weather conditions on the beech forest condition and development

Line 220 Detailed studies of aeolian deposition were conducted in the 2001-2004 years (e.g. Hojan M., 2009: Aeolian processes on the cliffs of Wolin Island. *Quaestiones Geographicae* 28/2: 39-46). The average annual rate of aeolian deposition on the cliff crown was almost 2 mm and the maximum (point) even 16 mm. The placed benchmarks showed an average aeolian deposition about 4-6 cm in the 2001 - 2020 period, with a maximum point increment of 10-12 cm.

Row 270 The discussion will compare the rate of cliff erosion on Wolin Island to other research sections in the South Baltic zone (e.g. cliffs in the vicinity of Ustka, Jastrzębia Góra and Gdynia).

Yours sincerely Jacek Tylkowski and co-authors

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