LIST OF PUBLICATIONS Dan G. Blumberg, Prof.

(c) Chapters in collective volumes - Conference proceedings, etc.

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 (e) Published scientific reports and technical papers

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(g) Classified articles and reports

1. Blumberg, D.G., 1998. Global Change and Remote Sensing, book review, Geographical Research Forum, Vol.18: 109-110.
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• **Lectures and Presentations at Meetings and Invited Seminars not Followed by Published Proceedings**

(a) Invited plenary lectures at conferences/meetings

2002- Blumberg, D.G., *Subsurface Microwave Remote Sensing of Soil Water Content: Field Studies in the Negev Desert and Optical Modeling*, **The Association of American Geographers, 98th Annual Meeting**, March 29-23, 2002, Los Angeles CA, p. 52 (abstract).

1999- Blumberg, D.G., *Arid Zone Soil Moisture Regime as Seen by Remote Sensing*, Workshop on Transport and Clean Up Processes in the Unsaturated Zone under dry-land conditions, Sde Boker.

1995- Blumberg, D.G., and R. Greeley, *Study of Aeolian Processes from the Spaceborne Radar Laboratory,* **American Geophysical Union**, Baltimore, (invited paper), EOS, Vol. 76,(17): 196.

1995- Blumberg, D.G., and R. Greeley, *Study of Potential Windblown Processes Using SIR-C/X-SAR: Preliminary results*, **IEEE** **PIERS- Progress In Electromagnetics Research Symposium**, University of Washington, Seattle WA, (invited paper).

(b) Presentation of papers at conferences/meetings (oral or poster)

1. Y. August., D.G. Blumberg, and S.R. Rotman, *Identifying persistent scatterers in open and natural areas*, PolInSAR 2011, The European Space Agency, ITALY, in process (Poster).
2. Y. August., D.G. Blumberg, and S.R. Rotman, *Fine registration base on the Fourier domain for Gaussians signals*, International Journal of Remote Sensing (in process).
3. Y. August., D.G. Blumberg, and S.R. Rotman, *Using the PCA method for the selection of PSC target in the open fields*, International Journal of Remote Sensing (in process).
4. Y. August., D.G. Blumberg, and S.R. Rotman, *Subpixel High Accuracy Image Registration for Radar Interferometry Processes*, ISPRS 2010, Haifa, Israel, 2010.
5. Y. August., D.G. Blumberg, and S.R. Rotman, *High Accuracy Subpixel*  *Image Registration for Radar Interferometry Process,* ISPRS 2010, University of Haifa, ISRAEL, 2010 (Poster).
6. Blumberg, D.G., Rotman, S.R, and M. Hetz, *Estimation of Vegetation Parameters from Polarimetric SAR Data,* ISPRS Archive Vol. XXXVIII, Part 4-8-2-W9, “Core Spatial Databases- Updating, Maintenance and Services- from Theory to Practice”, Haifa, Israel, 2010.
7. Y. August., R. Aviram., D.G. Blumberg, and S.R. Rotman, *Interferogram Creation Process and Extracting Environmental Information from the Decorrelation Data*, CARESS 2009, Weizmann Institute of Science, ISRAEL (Poster).
8. Blumberg, D.G., Orlovsky, L, and T. Panagopoulos, *Monitoring the Aral Sea Landscape Change*, 4th IASME/WSEAS International Conference on ENERGY, ENVIRONMENT, ECOSYSTEMS and SUSTAINABLE DEVELOPMENT (EEESD'08), Algarve, Portugal, June 11-13, 2008.
9. Maman, S., Orlovsky, L., Blumberg, D.G., Berliner, P., and Mamedov, B., Monitoring Indigenous Water Harvesting Systems on Takyrs in Turkmenistan by Remote Sensing. The Association of Israel Geographers, Hebrew University, Israel, 2006 (Poster).
10. Ardon, K., Tsoar, H., and Blumberg, D.G., *Dynamics of the Ashdod Nizzanim Nebkha dunes*. The Association of Israel Geographers*,* Hebrew University, Israel, 2006.
11. Monitoring Indigenous Water Harvesting Systems on Takyrs in Turkmenistan by Remote Sensing, The Israel Geographic Association (IGA). Hebrew University, IL (Poster).
12. Ardon, K., Tsoar, H., and Blumberg, D.G., *Dynamics of the Ashdod Nizzanim Nebkha dunes*. Sand conference- Israel Nature and Parks authority, Ashdod, 2006.
13. Ardon, K., Tsoar, H., and Blumberg, D.G. *Dynamics of the Ashdod Nizzanim Nebkha dunes*. CARESS 2005, May 29, Weizmann Institute of Science, Rehovot, Israel, 2005.
14. Sherman, M. and Blumberg, D.G. CARESS 2005, May 29, Weizmann Institute of Science, Rehovot, Israel, 2005.
15. Ardon, K., Tsoar, H., and Blumberg, D.G. *Dynamics of the Ashdod-Nizzanim Coastal dunes from ERS imagery, aerial photographs, and ground measurements*. MERIS (A)ATSR Workshop 2005, September 25-30, ESARIN center, Frascati, Rome Italy, 2005 (Poster).
16. Blumberg, D.G., Yacoby, Y., Natan, A., Monitoring Phytoplankton in Lake Kinneret by Satellite Remote Sensing. The Water Commission Meeting, 24 May, Ma’ale Hachamisha, Israel, 2004 (Hebrew).
17. Blumberg, D,G., Dadashev, A., Dubinsky, Z.,  Iluz, D., Sokoletsky, L., Yacobi, Y.,  *Mapping variability in chlorophyll “a” concentrations in the Red Sea Gulf of Eilat by in-situ measurements and remote sensing: a 2-decade survey,*  I IAAS Symposium,  2 June, Bar Ilan University, Ramat-Gan, Israel, 2004.
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19. Amir, S., Blumberg, D.G., Ben-Asher, J., Monitoring Spatial and Temporal Plant Cover by Remote Sensing Tools: A Synergistic Approach using Visible, Infra-red and Microwave Region, GLOWA- Jordan River, 18-22 April, Potsdam, Germany, 2004 (Poster).
20. Tamir, G., Ben-Asher, J., Blumberg, D.G., *Salinization of Soil and Plants on Loess Soil,* GLOWA- Jordan River, 18-22 April, Potsdam, Germany, 2004 (Poster).
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23. Amir, S., Blumberg, D.G., Ben-Asher, J., *Monitoring Spatial and Temporal Variations in Plants Cover by Remote Sensing Tools,* The Association of Israel Geographers, December 21-23, Bar-Ilan University, Israel, 2003 (Poster In Hebrew).
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