

CURRICULUM VITAE

Mustafa Mirik

Address:

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Education:

1992 B.S. Forest Science University of Istanbul
1995 M.S. Forest Science University of Istanbul
1997 M.S. Forest Resources Oklahoma State University
2001 Ph.D. School of Natural Resource Sciences North Dakota State University

Professional Experience:

2002-2006 Assistant Research Scientist, Texas AgriLife Research, Amarillo
2006-2008 Associate Research Scientist, Texas AgriLife Research, Amarillo
2008-Present Associate Research Scientist, Texas AgriLife Research, Vernon

Research Interests:

Applications of Geographic Information Systems & remote sensing for natural resource assessments.

Areas of Expertise

Geographic Information Systems, Global Positioning Systems, remote sensing, statistical ecology and spatial statistics, range, forest, and wetland ecosystems

Professional Affiliation

Reviewer: International Journal of Remote Sensing, Rangeland Ecology and Management, Turkish Journal of Agriculture and Forestry, and Sensors.

Publications:

Mustafa Mirik, Jack E. Norland, Robert L. Crabtree, Mario E. Biondini. 2005. Hyperspectral one-meter-resolution remote sensing in Yellowstone National Park, Wyoming: I. Forage nutritional values. *Rangeland Ecology and Management*. 58: 452-458.

Mustafa Mirik, Jack E. Norland, Robert L. Crabtree, Mario E. Biondini. 2005. Hyperspectral one-meter-resolution remote sensing in Yellowstone National Park, Wyoming: II. Biomass. *Rangeland Ecology and Management*. 58: 452-458.

Mirik, M., K. Steddom, and G. J. Michels, Jr. 2006. Estimating biophysical characteristics of musk thistle (*Carduus nutans*) with three remote sensing instruments. *Rangeland Ecology and Management*. 59: 44-54.

Mirik, M., G. J. Michels, Jr., S. Kassymzhanova-Mirik, N.C. Elliott, V. Catana, D.B. Jones, and R. Bowling. 2006. Using digital image analysis and spectral reflectance data to quantify greenbug (Homoptera: Aphididae) damage in winter wheat. *Computers and Electronics in Agriculture*. 51: 86-98.

Mirik, M., G. J. Michels, Jr., S. Kassymzhanova-Mirik, N. C. Elliott, and R. Bowling. 2006. Hyperspectral spectrometry as a means to differentiate uninfested and infested winter wheat by greenbug (Hemiptera: Aphididae). *Journal of Economic Entomology*. 99: 1682-1690.

Mirik, M., G. J. Michels, Jr., S. Kassymzhanova-Mirik, N.C. Elliott, and V. Catana. 2006. Spectral sensing of aphid (Hemiptera: Aphididae) density using field spectrometry and radiometry. *Turkish Journal of Agriculture and Forestry*. 30: 421-428.

M. Mirik, G.J. Michels, Jr., S. Kassymzhanova-Mirik, and N.C. Elliott. 2007. Reflectance characteristics of Russian wheat aphid (Homoptera: Aphididae) stress and density in winter wheat. *Computers and Electronics in Agriculture*. 57: 123-134.

Mirik, M., J. E. Norland, M. E. Biondini, R. L. Crabtree, and Gerald J. Michels Jr. 2007. Relationships between remotely sensed data and biomass components in a big sagebrush (*Artemisia tridentata*) dominated area in Yellowstone National Park. *Turkish Journal of Agriculture and Forestry*. 31: 135-145.

Elliott, M., M. Mirik, Z. Yang, T. Dvorak, M. Rao, J. Michels, V. Catana, M. Phoofolo, K. Giles, and T. Royer. 2007. Airborn multi-spectral remote sensing of Russian wheat aphid to injury to wheat. *Southwestern Entomologist*. 32: 213-219.

Catana, V., N.C. Elliott, K. Giles, M. Mirik, D.R. Porter, G. Hein, F. Peairs, and J. Michels. 2008. The role of databases in areawide pest management. (Book/Chapter) In: Koul, O., Cuperus, G.W., and Elliott, N.C., editors. *Areawide Pest Management: Theory and Implementation*. CAB International, Wallingford, Oxfordshire, UK. p. 142-158.