

# Kirby Kalbaugh

Department of Horticulture and Landscape Architecture  
Purdue University  
625 Agriculture Mall Dr.  
West Lafayette, IN 47907

## EDUCATION

B.S. Consumer and Family Sciences, Purdue University, 1998  
M.S. Information Technology, Purdue University Global, 2022

## PROFESSIONAL EXPERIENCE

2022 – Present	Purdue University Lead Research Analyst	West Lafayette, IN
	Assist students, faculty, and staff with advancing their ability to collect and analyze research data across a variety of interrelated disciplines. Collaborates with researchers in architecting and implementing data solutions, catalyzing a culture of good data practices, and enhancing the quality of research, discovery, and outreach of the College.	
2009 – 2022	Purdue University Applications and System Administrator	West Lafayette, IN
	Develop, analyze and administer an enterprise level computing environment in support of research, instructional and outreach goals in the Department of Horticulture and Landscape Architecture. Supervise IT departmental hourly helpers and student workers. Design and implement plans to secure and protect users and departmental IT resources from internal and external threats. Provide IT project management to various research, teaching and extension projects.	
1997 – Present	Kalbaugh Enterprises Owner/IT Consultant	Lafayette, IN
	IT business where I install, and support hundreds of computers throughout north central Indiana. My clients include doctors, attorneys, medical facilities, police departments, real estate offices, factories, government agencies, non-profits, and many others. I provided services from basic computer and printer support to multi-server and network installation.	
2003 – 2009	Tippecanoe Mortgage Network Administrator	Lafayette, IN
	Network Administrator and Independent mortgage consultant for Tippecanoe Mortgage which was an IT client of mine that asked me to join them in 2003 as a contract employee and network administrator. Deployed and supported HUD compliant secure computer network, servers, and desktops.	
1998 – 2003	General Hotels Corporation Director of Sales	Lafayette, IN

## **CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT**

Project Management Professional (PMP) – 2004

ITIL Foundations – 2012

Technical Management Institute (TMI) – 2012

SANS SEC569: Combating Malware in the Enterprise – 2011

## **HONORS / AWARDS**

Purdue Agriculture TEAM Award for Purdue Landscape Report - 2021

Outstanding Education Materials Award (ASHA) for Purdue Landscape Report – 2020

Purdue University Cooperative Extension Specialists Association (PUCESA) Team Award for Purdue Landscape Report – 2020

## **PUBLICATIONS**

Li, C., Adhikari, R., Yao, Y., Miller, A., **Kalbaugh, K.**, Li, D., & Nemali, K. (2020). Measuring plant growth characteristics using smartphone based image analysis technique in controlled environment agriculture. *Computers and Electronics in Agriculture*, 168.

Nemali, K., Adhikari, R., Li, C., & **Kalbaugh, K.** A Low-Cost Smartphone Controlled Sensor Based on Image Analysis for Estimating Whole-Plant Tissue Nitrogen (N) Content in Floriculture Crops. *Computers and Electronics in Agriculture*, 169(February 2020).

Whipkey, A., **Kalbaugh, K.**, Franz, A., & Janick, J. (2014). A Database for Three Dioscoridean Illustrated Herbs. *HORTSCIENCE*, 49(7), pp. 977-979.

## **GRANTS AND FUNDING**

2013, \$10,000 – Co-Author on Purdue Arboretum Scan, Link, and Learn Signage project from The Stanley Smith Horticultural Trust

2013, \$25,000 – Co-Author on instructional equipment grant awarded to HLA for Enhancing the Creative Design Process in Landscape Architecture: Using Technology to Engage Students in a Digital Environment"

2012, \$45,000 – Co-Author on grant from Ag Associate Dean, Fernandez, to develop Scan, Link, Learn

## **INVITED PRESENTATIONS**

2014 – "The Purdue Arboretum" – Indiana Urban Forest Meeting

2013 – "How is Mobile Technology Driving Local Enterprise GIS" – GIS Day @ Purdue

2013 – "Scan, Link, Learn – The Purdue Arboretum" - Midwest Regional Turf Day

2012 – "Purdue Arboretum Tree Inventory Project" – Annual Tree Lafayette meeting

## **CONTRIBUTED PRESENTATIONS**

2014 - Impact of a Geo located Arboretum Database on Student Learning Methods – Andrea Brennan - Digital Landscape Architecture 2014