

Dr. Kamlesh Golhani

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Address: Golhani Brothers, Opp Ram Mandir, Lakhnadon, Dist Seoni, MP, India Pin 480 886

CAREER OBJECTIVE

To harness the profound expertise acquired during the PhD program in ground sensor application and spectral data mining, and utilize it to conduct cutting-edge research of utmost quality, driving profound innovation and advancement within the field viz. Precision agriculture, Hyperspectral remote sensing.

EDUCATION

Universiti Putra Malaysia, Kuala Lumpur **October 2018**
Doctor of Philosophy, Agrotechnology (PhD) **CGPA: 3.7/4**

Concentration: Hyperspectral remote sensing, Data mining in Agriculture

Other coursework: Advanced statistical method, GIS for Engineers, Doctoral research

Department of Earth Sciences, Barkatullah University Bhopal **December 2010**
Masters of Sciences in Geoinformatics (MSc) **73.4%**

Concentration: Remote sensing of Natural resource management

Other coursework: GIS, GPS, Image processing, Computer application

Dr. Punjaorao Deshmukh Agricultural University Akola **July 22008**
Bachelor of Science in Agriculture (B.Sc Ag) **CGPA 6.93/10**

LABORATORY SKILLS

- **Application of ground sensors** – Spectroradiometer, GreenSeeker, SPAD Chlorophyll meter
- **Satellite data application** - SPOT vegetation, IRS, Hyperspectral
- **Data analysis techniques** – PLS, iPLS, ANN, Cluster analysis, Multivariate analysis
- **Software use** - Unscrambler, Arc GIS, ENVI, ERDAS Imagine, Statistical software

WORK EXPERIENCE

Regional Institute of Education, NCERT, Bhopal **July 2022 – July 2023**
Assistant Professor Agriculture

- Teaching Agriculture work education course – BA.BEd/B.Sc B.Ed Ist and IInd semester
- Supported NAAC SSR submission – Prepare Green Audit Report, captured Geotag photos
- Maintenance of RIE Garden with collaboration of Horticulture section, CPWD
- Active role in conducting various training, STEM conference and Yoga Olympiad

SRM Institute of Science and Technology, Chennai **January 2021- June 2022**
Assistant Professor Geoinformatics

- Teaching Geoinformatics courses to B.Sc. (Hons) Agriculture and B.Sc (Hons) Horticulture
- Submitted project for international grants, designed course, IOT in Agriculture for B.Tech (CS)
- Member of internal examination, anti-ragging and sport committee
- In-charge High tech Computer lab

CIAE Bhopal, MANIT Bhopal, CRIDA Hyderabad, RRSC/ISRO Nagpur **2011 – 2014**

- Worked as Research Associate, SRF (CIAE, CRIDA), JRF (MANIT), and trainee (ISRO)
- Area of research Geoinformatics, Precision Agriculture, GIS

PUBLICATION

- Total No. of publications - 15
 - Citation -442, h-Index -7, i-Index -7
 - Best five articles
1. **International Journal of remote sensing (Taylor and Francis)** - Estimating chlorophyll content at leaf scale in viroid-inoculated oil palm seedlings (*Elaeis guineensis* Jacq.) using reflectance spectra (400 nm–1050 nm). Vol 40, 2019 – Issue 19: Oil palms
 2. **Information Processing in Agriculture (Elsevier)** - A review of neural networks in plant disease detection using hyperspectral data. Vol 5, Issue 3, September 2018, pages 354-371.
 3. **Journal of Indian Society of Remote sensing (Springer)** - Selection of a spectral index for detection of orange spotting disease in oil palm (*Elaeis guineensis* Jacq.) using red edge and neural network techniques. Vol. 47, 2019, pages 639-646.
 4. **Current Science** - Yield prediction in Wheat (*Triticum aestivum* L.) using spectral reflectance indices. Vol. 116(2), 2019, pages 272-278.
 5. **Open Access Journal of Agricultural Research** - Use of reflectance spectroscopy as a tool for screening viroid-inoculated oil palm seedlings. 2(5), 2017, pages 1-5.

AWARDS

- Govt of MP, Overseas scholarship for OBC candidate 2014
- International (USA): Goetz Instrumentation Award 2015
- Best paper presentation, Kerala Agriculture University 2019

REFERENCES

- **Dr. Jaydip Mandal**
Professor Botany, I/c Principal
Regional Institute of Education
Shamla Hills, Bhopal
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- **Dr. Siva Kumar Balasundram (PhD-Supervisor)**
Head - Department of Agriculture Technology,
Faculty of Agriculture, Universiti Putra Malaysia, Serdang, Malaysia
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- **Dr. A. Arunachalam**
Director – ICAR Central Agroforestry Research Institute
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