

University of Florida - IFAS
Soil and Water Science Department Core Laboratories
Soil Chemistry Core Laboratory

Mission Statement – The Soil Chemistry Core Laboratory will provide analyses on the High Performance Liquid Chromatography (HPLC) for both departmental and other researchers.

Location – **HPLC 1:** G184 McCarty Hall A; **HPLC 2:** 1196 McCarty Hall

Contributing Faculty – Vimala Nair (Coordinator) and Peter Nkedi-Kizza

Equipment – **HPLC (2 Units available)**

HPLC 1 can be used for soil chemistry, soil biology, analyses of ions, polymer analyses, and organic-inorganic compounds for research and other uses in agriculture, food industry, medical, legal, and manufacturing process.

HPLC 2 is used primarily for organic compounds

Procedures and Costs

HPLC 1

- Training fee for use of the HPLC 1: \$250. The researcher will be trained to use the instrument.
- Fees for use of the instrument are:
 - For members of the Soil and Water Science Department: \$20 per hour
 - For all other researchers: \$30 per hour

HPLC 2

- Cost of analysis per analyte: \$ 5
- Cost of generating the standard curve for each analyte: \$5
- Cost for soil extraction: \$2 per soil sample
- Cost of leaf tissue extraction: \$2–\$4 depending on time and matrix needed.

For additional information contact:

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