

1. Record Nr.	UNINA9910298318203321
Titolo	Innovative Strategies for Teaching in the Plant Sciences / / edited by Cassandra L. Quave
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2014
ISBN	1-4939-0422-1
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (319 p.)
Disciplina	370711 372.357 507.1 570
Soggetti	Botany Science - Study and teaching Teaching Plants Biodiversity Systems biology Plant Sciences Science Education Teaching and Teacher Education Plant Systematics/Taxonomy/Biogeography Systems Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Carrying Plant Knowledge Forward in the USA -- Lessons Learned in Development of an Interdisciplinary Science Curriculum Support Organization -- The Contribution of Ethnobiology to Teaching Plant Sciences: Student and Faculty Perspectives -- From Learning to Teaching: Bridging Students' Experience and Teachers' Expectations -- Research-Based Learning -- Aligning Plant Identification Curricula to Disciplinary Standards Through the Framework of Student-Centered Learning -- Cultivation of Local Botanical Knowledge or Knowledge of Nature Using Interdisciplinary, Innovative and Mind/Brain-Based

Techniques -- "What's That Called?" Folk Taxonomy and Connecting Students to the Human-Nature Interface -- Learning from the Land: Incorporating Indigenous Perspectives into the Plant Sciences -- Pedagogy and Botany of the Columbian Biological Exchange: The 1491 Meal -- Teaching Plant Science in School and Community Settings -- Using Community Resources for Ethnobotany Courses -- Learning in Paradise: The Role of Botanic Gardens in University Education -- Teaching Ethnobotany Through Field Research: A Case Study Integrating Conservation with Tibetan Traditional Ecological Knowledge -- Excursions in Teaching Plant Science Through the Local Ethnobotany of the Food-Medicine Continuum: Field Trips to Traditional Specialty Food Market -- Ecosystem Excitement: Using Everyday Items, Projects, Field Trips and Exotic Images to Connect Students to Plants -- Teaching Ethnobiology Online at a Canadian Distance Learning University -- Linking Student Skill-Building with Public Outreach and Education.

Sommario/riassunto

Innovative Strategies for Teaching in the Plant Sciences focuses on innovative ways in which educators can enrich the plant science content being taught in universities and secondary schools. Drawing on contributions from scholars around the world, various methods of teaching plant science is demonstrated. Specifically, core concepts from ethnobotany can be used to foster the development of connections between students, their environment, and other cultures around the world. Furthermore, the volume presents different ways to incorporate local methods and technology into a hands-on approach to teaching and learning in the plant sciences. Written by leaders in the field, Innovative Strategies for Teaching in the Plant Sciences is a valuable resource for teachers and graduate students in the plant sciences.
