

International Summer School
“Biodiversity, Bioprospecting and territories: future challenges in the area of conservation, management and health”
September 9-20, 2019

Venue: Botanical Garden, University of Padova

Routine (Lecture & Practicum/exercises)

INDICATIVE PROGRAMME

Time	Title	Resource person(s)	Practicum/ Exercise	Teachers for praticum
Day 1 (September 9, 2019) – Biodiversity, Bioprospecting and sustainable development				
09:00-09:30	Official Welcome and course introduction			
09:30-10:30	1.A Biodiversity and bioprospecting: the new challenges for sustainable development in the field of health			
10:30-12.30	1.B Biodiversity conservation in Nepal Himalaya- Conservation and development perspective			
13:30-14.30	Lunch time			
14.30-15.30	1.C Integrated Ethno-botany and Agro-medicine , and future prospecting plants utilization by prof Watanabe			
16.30-17:30	1.D Ethnobiology and Traditional Environmental Knowledge in the Balkans and the Middle East: Quo Vadunt?			
Day 2 (September 10, 2019) – Plant biochemistry and innovation in plant sciences				
09:00-10:00	2.A Propagation by clonal methods based in plant tissue culture: some applicative examples for biodiversity conservation			
11:00-12:00	2.B Ethnoecology of Nepal Himalaya: Application to Science and Society			
13:00-14.00	Lunch time			
14:00-15:00	2.C Exploitation of diversity within crops: from genetic resources to agrobiodiversity			
16:00-17:00	2.D Biochemical diversity in the plant’s adaptation to a changing environment			
Day 3 (September 11, 2019) – Bioprospecting, Ethnopharmacology and Drug Discovery				
09:00-10:00	3.A Advanced approaches in development of plant derived drugs and nutraceuticals			
11:00-12:00	3.B Waste crop valorization			
13:00-14.00	Lunch time			
14:00-15:00	3.C Scaling up the isolation of bioactive constituents			
16:00-17:00	3.D Recovery Of Bioactive Products From Industrial Hemp (Cannabis Sativa L.) Waste: Cbd-Rich Essential Oils And Eco-Friendly Biopesticides			
Day 4 (September 12, 2019) – Natural Resource Management and Sustainable Development Objectives				
09:00-10:00	4.A Geo-visualization of socio-environmental conflicts: GIScience for inclusive decision making in territories with high cultural and biological diversity			
11:00-12:00	4.B Conservation challenges in the Himalayas: Human-Wildlife Perspectives			
13:00-14.00	Lunch time			
14:00-15:00	4.C Oil production and biodiversity conservation: toward unburnable carbon areas in the Amazon rainforest and alternative development paths			

16:00-17:00	4.D Managing biodiversity and ecosystem services in Europe: policies and management tools
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Second week activities Field work and excursions

day	activities
Day 5 (September 13, 2019)	Visit to Botanical Garden and University Historical Palaces
Day 6 (September 14, 2019)	Day for Preparing reports and single study, Working group meeting
Day 7 (Sunday 15, 2019)	Travelling to mountains by bus in afternoon. Working groups
Day 8 (September 16, 2019)	Hystorical and naturalistic excursion. Working groups
Day 9 (September 17, 2019)	Visit to mountain villages. Working groups, individual work on student presentations
Day 10 (September 18, 2019)	Excursion and travel back to Padova. Working gropus individual work on student presentations
Day 11 (September 19, 2019)	Excursion to lagoon Venice, working groups, individual work on student presentations
Day 12 (September 20, 2019)	Work conclusions, presentations of works of students: presentation of work by students, lunch time, presentation of work by students and conclusion of school