



Governo do Estado do Rio de Janeiro
Secretaria de Estado de Ciência e Tecnologia
Universidade Estadual do Norte Fluminense Darcy Ribeiro
Pós-Graduação em Biotecnologia Vegetal

ANNEXO 2

RESEARCH LINES AND TOPICS OF THE GRADUATE PROGRAM IN PLANT BIOTECHNOLOGY

RESEARCH LINE	RESEARCH TOPIC	FACULTY MEMBER	POSITIONS	
			MS	DS
Integrative Biology: Genomics, Proteomics, Metabolomics, and Bioinformatics	Biotechnology Applied to Sustainable Production	Gonçalo Apolinário de Souza Filho	1	1
	Biotechnological strategies applied to the study of plant growth, development, and propagation	Vanildo Silveira	1	2
	Genomics and bioinformatics applied to plant biotechnology and plant growth-promoting bacteria	Thiago Motta Venâncio	1	3
	Plant genomics and epigenetics	Clicia Grativol Gaspar de Mattos	1	1
	Plant breeding for adaptation to abiotic stresses	Antônio T. do Amaral Júnior	1	1
	Bioprospectomics and metabolic engineering for biotechnological innovation	Felipe Astolpho Almeida	1	0
	Molecular and biochemical mechanisms of tolerance to abiotic stresses	Vitor Batista Pinto	1	1
Biotechnology Applied to Agriculture and the Environment	Physiological and biochemical bases applied to the study of in vitro propagation of tree species	Claudete Santa Catarina	1	2
	Bioprospecting of microorganisms and their natural products in plants and environmental decontamination	Aline Chaves Intorne	1	0
	Seed defense mechanism against insects	Antônia Elenir	2	0



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	Structural and ecophysiological bases of the interaction between beneficial bacteria and plants	Fábio Lopes Olivares	1	1
	Mechanisms of action of plant biostimulants	Daniel Basílio Zandonadi	2	1
Characterization of Plant Biodiversity and Bioprospecting of Bioactive Compounds	Bioinspired peptides, inhibitory activity and mechanism of action on fungal biofilms	Erica de Oliveirta Mello	2	0
	Structural and ecophysiological approach to Atlantic Forest plant species	Maura da Cunha	1	0
	Structural characterization of plant allergens and toxins	Olga Lima Tavares Machado	1	0
	Antimicrobial peptides from plants	Valdirene Moreira Gomes	2	0
TOTAIS			20	13