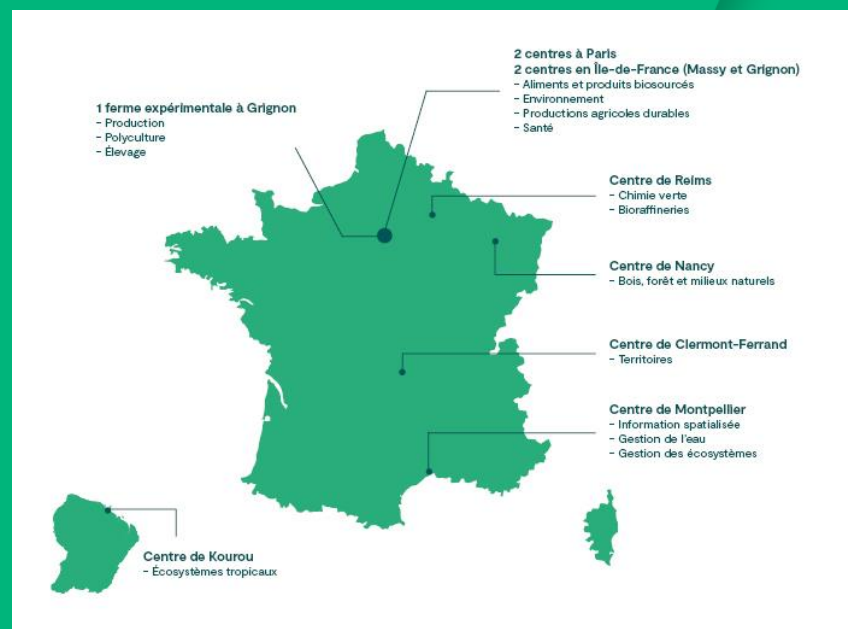




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AgroParisTech

Talents for a sustainable planet



AgroParisTech

National Institute of technology for Life, Food, and Environmental sciences

A world-class « Grande Ecole »

- French leading graduate school in Life Sciences
- ✓ « *Ecole d'ingénieurs* », elite HEI with a highly selective admission process
- ✓ Training programmes from Master level on
- ✓ Integrative approach: Education-Research-Innovation

An excellent academic reputation

- Top-ranked HEI in France in its field
- Shanghai ranking 2021 (w/ Paris-Saclay University):
 - Agricultural sciences : 12
 - Biotechnology : 30
 - Food sciences : 76 - 100
- QS 2021:
 - Agriculture & Forestry : 4

Research & Innovation

- 4 key research areas :
 - ✓ Agricultural production and forestry
 - ✓ Food and non-food transformations
 - ✓ Sustainable management of natural resources & environment
 - ✓ Human Health
- **22 Joint research units + 1R&D unit**
In partnership with prestigious partners : INRAE, CNRS, CIRAD...
- 37% international joint publications
- 50-100 research contracts signed per year
- Impact at the heart of our approach:
Technology transfer/IP, open science, science & society

Laboratories and keywords (1/2)

- **URD ABI (Industrial Agro-Biotechnologies)**

- 1) Chemistry department

Keywords = green chemistry, plant-based chemistry, biobased synthons, biocatalysis, biobased functional ingredients/monomers/polymers/materials, green solvents, surfactants, flavors, cosmetics, phenolic compounds, carbohydrates and carbohydrates-derivatives

Supervisor & publications : Pr. Florent ALLAIS
: <https://scholar.google.fr/citations?user=rLU8PWIAAAAJ&hl=en&oi=ao>

- 2) Engineering Process department

Keywords = Purification, membrane processes, enzymatic reactions, immobilized or free enzymes, enzym membrane reactor, phenolic compounds, agro-industrial co-products

Supervisor & publications: Pr.Irina IOANNOU : <https://scholar.google.fr/citations?user=FiVz06AAAAAJ&hl=fr>

- 3) Biotechnology department

Keywords = liquid-state fermentation, solid-state fermentation, molecular biology, biotechnology, in strem/in situ product recovery

Supervisor & publications: Pr.Michel LOPEZ : [Michel Lopez | LinkedIn](#)

Laboratories and keywords (2/2)

- **Joint Research Unit PNCA (Physiology of Nutrition and Dietary Behaviour)**
AgroParisTech/INRAE/Université Paris-Saclay

-> *To be noticed: International Associated Laboratory with St Johns Research Institute (Bengalore, India)*

1) Project 1: Validation of the dual tracer isotope method to measure the true digestibility of amino acids

Key words: dietary protein, amino acids, dual tracer isotope method, standard ileal method, clinical study

Supervisor & publications: Pr. Claire GAUDICHON : <https://cv.archives-ouvertes.fr/claire-gaudichon>

<https://www.universite-paris-saclay.fr/en/news/claire-gaudichon-stable-isotopes-track-dietary-proteins-body>

2) Project 2: Biomarkers of amino acid insufficiency using physiological approaches and metabolic profiling

Key words: Indispensable amino acids, requirements, biomarkers, metabolism, signal, signalling pathways, sensing

Supervisor & publications: Assoc. Prof Dalila AZZOUT-MARNICHE : https://hal.archives-ouvertes.fr/search/index/q/*/authFullName_s/Dalila+Azzout-Marniche

TEAM PUBLICATIONS: https://www6.jouy.inrae.fr/pnca_eng/

USEFUL LINKS:

<http://www.agroparistech.fr>

<https://www.chaire-abi-agroparistech.com>

Interested? Contact:

europe@agroparistech.fr

Inalco - Institut national des langues et civilisations orientales

Created in 1795, Inalco is a unique institution in the world teaching over a hundred languages and civilizations with a multidisciplinary approach. It is also:

- 9000 students of 131 different nationalities
- 235 full-time lecturers
- 14 research teams, including 5 in association with the CNRS
- A doctoral school with 308 PhD students
- Currently 3 MSCA fellows hosted at Inalco
- More than 100 international scientific events per year
- 12 departments: Africa and the Indian Ocean, South Asia and the Himalayas, South-East Asia and the Pacific, Arab Studies, Chinese Studies, Korean Studies, Jewish and Hebrew Studies, Japanese Studies, Russian Studies, Eurasia, Europe, and Languages and Cultures of the Americas

All of our research teams are interested in welcoming MSCA fellows, particularly:

Research team	Topics	Director	Website
Centre de Recherche sur le Monde Iranien (CeRMI)	Persan world, Iranian languages and literatures, history and civilization, contact phenomena, research based on Persian and/or Iranian sources.	Maria Szuppe	https://cermi.cnrs.fr/
Centre Asie du Sud-Est (CASE)	Southeast Asian studies, interdisciplinary research, history, archaeology, philology, economics, epigraphy, geography, linguistics, anthropology, ethnomusicology	Vanina Bouté (co-director)	http://case.ehess.fr/index.php
Structure et Dynamique des Langues (SeDYL)	Description and documentation of languages: Americas and Overseas (CELIA), Circum-Baltic and Slavic Area (CELBS), Mediterranean and Balkans, Asia; Study of language contact, linguistic variation and change;	Sophie Vassilaki	http://sedyl.cnrs.fr/index.php

Contact

If you are interested in submitting an application for a MSCA fellowship with one of Inalco's research team, please contact our project office team at dpvalo.projets@inalco.fr.

INSA Rouen Normandie is the largest
regional public engineering school
in Normandie (France)

8 research laboratories



labelled «HR Excellence in Research»
by the European Commission
as part of the implementation
of the Human Resources Strategy for
Researchers (HRS4R)



LMN, Laboratory of Mechanics



Keywords	Supervisor	Link
Reliability, Seismic constructions	Younès AOUES	https://tinyurl.com/y5932jmw
Mechatronics, Reliability	Abdelkhalak EL HAMI	https://tinyurl.com/yf75hrk
Fatigue, Damage, Lifetime estimation	Leila KHALIJ	https://tinyurl.com/y4vxmnlN
Soil Mechanics, Foundations, bio-reinforced concrete	Saber IMANZADEH	https://tinyurl.com/y2t2mtnh
Structural Analysis, Renewable Energy	Didier LEMOSSE	https://tinyurl.com/y6mj7f8f
Stochastic Dynamics, Structural Analysis under uncertainty, Fluid-Structure	Emmanuel PAGNACCO	https://tinyurl.com/yxksqbuj
Fluid-Structure, Particle Methods	Elie RIVOALEN	https://tinyurl.com/y34zwcj4
Uncertainty Quantification	Eduardo SOUZA DE CURSI	https://tinyurl.com/y6ko75zc
Bioinspired optimization, Shocks on Structures	Renata TROIAN	https://tinyurl.com/yys6hevr

Keywords	Supervisor	Link
Propulsion, aeronautical, land or space	Luc Vervisch	https://tinyurl.com/yh4a79wd
Industrial combustion	Frédéric Grisch	https://tinyurl.com/ydmy5dy5
Hydrogen: use (combustion), storage, safety, material alteration	Bruno Renou	https://tinyurl.com/yg3q3dfg
Sustainable fuels: biofuel, power-to-gas, power-to-liquid, CO2 hydrogenation	Alexis Coppalle	https://tinyurl.com/yztI363c
Decarbonation, energy efficiency, and pollutant emissions (NOx, soot)	Jérôme Yon	https://tinyurl.com/yegvqwpc
Liquid battery	Vincent Moureau	https://tinyurl.com/yj34d82b
CO2 valorization (hydrogenation, supercritical fluids)	Abdellah Hadjadj	https://tinyurl.com/yj9f29mg
Hydraulic wind energy (waterfall dam, or tidal turbines)	Mostafa Safdari-Shadloo	https://tinyurl.com/yffnj479
Fire	Ammar Hideur	https://tinyurl.com/yhdxxw2s
Atmospheric inputs	Christophe Dumouchel	https://tinyurl.com/ydrmkb9m
TeraHertz laser sources	Armelle Cessou	https://tinyurl.com/yzrdjonw
Metrology of particles, aerosols (soot)	François-Xavier Demoulin	https://tinyurl.com/yegug7er
Laser Diagnostics	Brunel Marc	https://tinyurl.com/ygdyudg3
Numerical simulation	Lebrun Denis	https://tinyurl.com/yf3bhd7q



LSPC, Chemical process safety laboratory

Keywords	Supervisor	Link
Chemical process safety, chemical industry safety, thermal runaway, fault detection and diagnostic, process control, optimization of chemical processes, domino effect	Lionel ESTEL	https://tinyurl.com/y4wtxvee
	Lamiaie VERNIERES	https://tinyurl.com/y5sya7x9
Calorimetry, Kinetic modeling, Structure-reactivity, Microfluidics, Biomass valorization, Risk assessment	Sébastien LEVENEUR	https://tinyurl.com/y6r5erpk
Calorimetry, kinetic modeling, CO2 valorization, CO2 hydrogenation, biomass valorization	Alain Ledoux, Isabelle Polaert	https://tinyurl.com/kawkzjv9
		https://tinyurl.com/2bduhz63
Thermochemical process, pyrolysis, gasification, tar cracking, hydrogen from biomass gasification	Bechara TAOUK	https://tinyurl.com/y4dsjcuz
	Lokmane ABELOUAHED	https://tinyurl.com/yxn5thoq



PBS, Polymers, biopolymers, surfaces

Keywords	Supervisor	Link
Polymer materials, Polyurethanes, NIPU, biosourced polymers, polyamides, polycarbonates, polymer modifications, membranes, Natural Rubber, vegetable oils, Biomaterials, surface modifications, antibacterial properties	Nasreddine KEBIR	https://tinyurl.com/yrekmfjn

LITIS, Computer science, information processing and systems laboratory



Research Teams	Keywords
Interaction and Decision	Explainable Artificial Intelligence (XAI), Multi-Agent Systems, Reinforcement Learning, Knowledge-based systems, Ontologies and Formal Models, Rule-based and case-based reasoning, Embodied Conversational Agents and Affective Computing, Web intelligence and Online Social Networks
Smart Mobility	Computer vision, Multi-Sensors Scene Perception, Semantic Road Scene Analysis, Robust Urban Scene Object Detection and Localisation using Polarimetric Imaging, Autonomous Driving and Smart Mobility
Machine Learning	Machine Learning, Graph neural networks, Optimal transport, Transfer Learning, Domain Adaptation, Adversarial Attacks and Defenses, Deep learning on Compressed Data, Sparse Optimization

Supervisor	Link
Gilles GASSO	https://tinyurl.com/yxd2j96b
Stephane CANU	https://tinyurl.com/y4gy7o8w
Romain HERAULT	https://tinyurl.com/kvvrzvi7
Clément CHATELAIN	https://tinyurl.com/5dzr8rsu
Samia AINOUZ	https://tinyurl.com/3c2jt56z
Abelaziz BENSRAIR	https://tinyurl.com/2nnbbveb
Cecilia ZANNI-MERK	https://tinyurl.com/2axjfwnr
Laurent VERCOUTER	https://tinyurl.com/2wdu9jrv
Alexandre PAUCHET	https://tinyurl.com/2rza2d2w

LMI, Laboratory of mathematics



Keywords	Supervisor	Link
Numerical approximation for nonlinear partial differential equations (AT, NF, HZ)	Antoine TONNOIR (AT)	https://tinyurl.com/y64kg4ph
Reinforcement learning for optimal control problems (NF, HZ)	Hasnaa ZIDANI (HZ)	https://tinyurl.com/y3wamxst
Control and optimization of multi-agent systems (NF, HZ)	Nicolas FORCADEL (NF)	https://tinyurl.com/yxvhvgsy
Nonsmooth optimization methods	Hasnaa ZIDANI (HZ)	https://tinyurl.com/y3wamxst

Research support office

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INSA Rouen Normandie

website:

<https://www.insa-rouen.fr/en/research>