

Dr. Marie VERRIELE DUNCIANU

Born on 8 avril 1985, in Dunkerque

Married, 2 children (2016-2017)

French nationality

 marie-verriele
 RESEARCHERID AAE-1572-2021
 0000-0002-3043-19915
 18533925
Current Position: Associate Professor (HDR)**Institution :** Institut Mines Telecom Nord EuropeCentre d'Enseignement, de Recherche et d'Innovation *Energie & Environnement*

✉ 941, rue Charles Bourseul

☎ 03 27 71 24 80

BP 10838 - 59508 Douai cedex, France

📧 marie.verriele@imt-nord-europe.fr

Professional experience and education

Since 2022	Associate Professor (HDR), CERI EE, IMT Nord Europe 2022 : HDR diploma – « Qualité de l'air et nuisances odorantes : Métrologie et cartographies des polluants gazeux, exposition et perception » - University of Lille, France
2012-2022	Assistant Professor
2008-2011	PhD , funded by PSA Group <i>Influence of the nature of the materials and their use as automobile parts on the quality of the air inside a vehicle cabin</i> Ecole des Mines de Douai – Département Chimie et Environnement
2006-2008	Master in Fine Chemistry Université du Havre

Research interests : # Indoor Air Quality – Volatile Organic Compounds Monitoring - Gas/Surface Interactions - Management of environmental odor nuisances

My research activities are based on knowledge on physico-chemistry of the atmosphere applied to two socio-economic and health issues: indoor air quality and environmental odor nuisances. My research areas cover several strategic domains:

➤ the metrological development for the sampling and measurement of Volatile Organic Compounds (VOCs), including odorous VOCs ; ➤ the understanding the key drivers of indoor air quality: emissions / gas-surface interactions / fate of pollutants / aerualics ; ➤ the investigation of indoor air pollution remediation solutions ; ➤ the development of approaches based on objectivized olfactory analysis to manage odour environmental nuisances.

Research supervision ➤ 6 postdocs ➤ 14 PhD co-supervising (4 ongoing) ➤ 9 partnership research projects (national consortiums – 2 coordinations)

Research impact ➤ 32 peer-reviewed papers (h-index 12) ➤ 60 communications in international conferences

Teaching activities : # Langage des Nez® - Environnemental odor management – Indoor Air Quality

My skills in olfactory analysis constitute the basis of my teaching activities, which essentially concern the management of odor nuisances, declined at several levels: students, industrials, territorial agents and local residents. Objectivized olfactory analysis for the management of odor nuisances in ambient air and in a confined atmospheres (vehicle, indoor air) is the main theme. These training courses are delivered under the “Le Langage