

## Curriculum Vitae



**First Name :** Nouredine

**Family Name :** YASSAA

**Date and place of birth :** 10 / 01 / 1973, Algiers,  
Algeria

**Citizenship :** Algeria

**Professional address :** Commission for Renewable Energy and Energy  
Efficiency, CEREFÉ, 23, Dr. Slimane Asselah,  
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### EDUCATION

**1991** High School Diploma in Mathematics “Baccalaureate”, with distinction, Algiers.

**1995** High Studies Diploma in Chemistry (Baccalaureate + 4) – University of Sciences and Technology, USTHB, Algiers-graduated first in the class of chemistry (1<sup>st</sup>/98).

**1997** Magister in Chemistry (Applied Organic Chemistry), USTHB, Algiers.

**2001** Doctorate in Chemistry (Applied Organic Chemistry), USTHB, Algiers, subsequently with the Institute of Air Pollution, National Scientific Council (CNR), Rome, Italy.

**Languages written, read or spoken:** Arabic, French, English, Italian, German (basic level).

## Professional Positions

- 2019-present** *Commissioner for Renewable Energy and Energy Efficiency*, under the authority of the Prime Minister, Algiers, Algeria.
- 2012-2019** *Director, Centre for Renewable Energy Development, CDER, Algiers, Algeria (~850 employees)*, among the largest research institution in Algeria and North Africa.
- 2015-present** *IPCC Working Group I Vice-Chair.*
- 2009-present** *Professor*, Faculty of Chemistry, University of Sciences and Technology Houari Boumediene, USTHB, Algiers, Algeria.
- 2008-2012** *Visiting Scientist*, Department of Atmospheric Chemistry, Max-Planck Institute for Chemistry, Mainz, Germany.
- 2004-2008** *Research Scientist*, Department of Atmospheric Chemistry, Max-Planck Institute for Chemistry, Mainz, Germany.
- 2001-2004** *Visiting Scientist* at CNR (National Council of Research), Institute for Atmospheric Pollution, Rome, Italy.
- 2003-2004** *Associate Professor*, Faculty of Chemistry, USTHB, Algiers, Algeria.
- 1997-2003** *Assistant Professor*, Faculty of Chemistry, USTHB, Algiers, Algeria.

## OTHER PROFESSIONAL ACTIVITIES

### International

- National Focal Point of *IPCC (Intergovernmental Panel on Climate Change)*, 2014-2015.
- National Designated Entity of *CTCN (The Climate Technology Centre and Network) of the United Nations Framework Convention on Climate Change*, 2014-present.
- Member of *the Algerian United Nations Framework Convention on Climate Change's (UNFCCC) negotiating team*, 2012-2015.
- Member of *the "World Energy Resources Study Group, World Energy Council"*, 20014- 2018.
- Member of *the Scientific Steering Committee of the International Global Atmospheric Chemistry (IGAC) project, Future Earth*, 2014- 2018.
- Algerian National Contact Point for *the European Horizon 2020 Research & Innovation programme*, 2018-2019.
- Member of *the Review Panel, European Science Foundation (ESF)*, 2010-2014.

### African

- Member of *the Governing Committee of the Joint African Union - European Union Research Program on Renewable Energy « Preparing for Long-Term Joint EU-AU Research and Innovation Partnership on Renewable Energy »*, 2018-2019.
- A founding member of *the African Group on Atmospheric Sciences (ANGA)*.

- Reviewer of *the Integrated assessment of air pollution and climate change for sustainable development in Africa, United Nations Environment Programme*, 2022.
- Associate Editor, *Clean Air Journal*, 2016-present.

## Regional

- Member of *the Board of Trustees of the Regional Center for Renewable Energy and Energy Efficiency (RCREEE)*, 2021-present.
- Member of *the Arab Nations Expert Committee on Renewable Energy and Energy Efficiency, Arab League (League of Arab States)*, 2021-present.
- A founder member of *the Arab Renewable Energy Commission and member of its Council of Sages*, 2012-present.
- Member of *the Energy Transition Committee, Observatoire Méditerranéen de l'Energie (Mediterranean Energy Observatory)*, 2012-present.
- Member of *the Arab Maghreb Union Expert Committee in charge of evaluating the situation of the Maghreb University and the Maghreb Academy of Sciences*, 2015-2019.
- Coordinator of *the "Mediterranean Integrated Studies at Regional and Local Scales" (MISTRALS) Programme in Algeria*, 2012-2019.
- Coordinator of *the ChArMEx (the Chemistry-Aerosol Mediterranean Experiment)/MISTRALS in Algeria*, 2011-2019.

## National

- President of *the Inter-Ministerial Committee for Research (CIS), Raw Materials and Energy*, 2018-2019.
- Member of *the Inter-Ministerial Committee for Research (CIS), Raw Materials and Energy*, 2014-2018.
- President of *the Board of Trustees of the National Agency for Valorisation of Research Results and Technological Development*, 2014-2019.
- Member of *the Inter-Ministerial Committee for Energy Management*, 2012-2019.
- Member of *the Executive Bureau of the Algerian Energy Committee*, 2012-2019.
- Member of *the Board of Trustees of the National Agency for Promotion and Rationalization of Energy Use (APRUE, Ministry of Energy), Ministry of Energy*, 2015-2018.
- Member of *the Board of Trustees of the National Centre for Clean Industrial Technology, Ministry of Environment*, 2015-2018.
- Member of *the National Climate Committee*, 2015-2019.
- Member of *the National Climate Plan Committee*, 2014-2019.
- Member of *the National Committee tasked or the elaboration of the Algerian Intended Nationally Determined Contributions (INDC-Algeria)*, 2014-2015.
- Focal Point of *the Ministry of Higher Education and Scientific Research for Climate Change*, 2012-2019.

- Member of *the National Inter-Ministerial Committee in charge of the validation of National Action Plan for the Environment and Sustainable Development, PNAE-DD*, 2013-2016.
- Member of *the National Committee for the actualization of the National Territorial Management Scheme*, 2015-2019.
- Member of *the National Committee for Validation of Scientific Publications*, 2014-2019.
- Member of *the National Committee for the actualization of the Higher Education Cartography in Algeria*, 2018-2019.
- Member of *the National Committee for setting up an Earth and Geosciences Observatory in Algeria*, 2013- 2019.
- Member of *the Committee on Education about Bioethics and the Responsible Conduct of Science in Algeria (US National Academy of Science)*, 2013-2016.
- Member of *the Scientific Council of CDER*, 2012-2019.
- Member of *the Board of Trustees of CDER*, 2012-2019.
- President of *the Scientific Committee of the Department of Organic Chemistry, Faculty of Chemistry, USTHB*, 2010-2013.
- Member of *the Scientific Council of the Faculty of Chemistry, USTHB*, 2010-2013.
- Member of *the Scientific Council of the Faculty of Chemistry, USTHB*, 2003-2004.
- Member of *the Scientific Committee of the Department of Organic Chemistry, Faculty of Chemistry, USTHB*, 2003-2007.
- Member of *the Quality Assurance Commission of USTHB*, 2012-2014.
- Member of *the Steering Committees in many national and international projects*. Member of several *Expertise Committees of National Research Projects*.
- Member of several *Organizing and Scientific Committees of Conferences*.
- Honorary Chair of *the Scientific Committees in several National and International Conferences*.

## **FIELD OF EXPERTISE**

Renewable Energy, Energy Efficiency, Energy Transition, Climate Change, Sustainable Development, Energy Geopolitics, Environment, Atmospheric Science.

## **PROJECTS, PROGRAMMES AND PLANS**

- ✓ Responsible of several programmes in the field of renewable energy and energy efficiency involving multiple sectors ; energy, building, transport, agriculture, environment,...
- ✓ Contribution to the elaboration of the Algerian Energy Transition Strategy.
- ✓ Contribution to the elaboration of the Algerian Roadmap for Hydrogen Development.
- ✓ Responsible for conducting a Clean and Sustainable Mobility study in Algeria.
- ✓ Responsible of the quality infrastructure projects for solar PV and water solar heaters at CDER.

- ✓ Responsible for the deployment of ongrid and offgrid renewable energy projects at scale of Kilowatts to Megawatts.
- ✓ Responsible in Algeria of "Mena Hybrid Solar system, EranetMed project", 2017-2019.
- ✓ Responsible in Algeria of the European project FP7 « REELCOOP », Research Cooperation in Renewable Energy Technologies for Electricity Generation, 2013-2017.
- ✓ Responsible in Algeria of European project FP7 "Better", Bringing Europe and Third countries closer Together Through Renewable Energies, 2013-2017.
- ✓ Coordinator of the ChArMEx (the Chemistry-Aerosol Mediterranean Experiment) project in Algeria, 2011-2015.
- ✓ Coordinator of the Tassili-Egide Algerian-French bilateral project with Laboratory of Environmental and Climate Science, Atomic Energy Commissariat: Setting up an Observatory of Atmospheric Chemical Composition in Algeria: A contribution to MISTRALS-CHARMEX Mediterranean network, (project N° 11MDU830), 2011-2015.
- ✓ Participation to many field campaigns in the Desert Sahara and Sahel, the Southern and Northern Atlantic Oceans, Indian Ocean, the Temporal, Boreal and Tropical Forests, ...
- ✓ Responsible of many research programmes at national and international levels.

## **EDITORIAL ACTIVITIES**

- Director of Publication, « Revue des Energies Renouvelables » (<http://www.cder.dz>), 2012-2019.
- Director of Publication, « Bulletin des Energies Renouvelables » (<http://www.cder.dz>), 2012-2019.
- Editorial Board, Atmospheric Measurement Techniques ([http://www.atmospheric-measurement-techniques.net/general\\_information/editorial\\_board.html](http://www.atmospheric-measurement-techniques.net/general_information/editorial_board.html)), 2013-2019.
- Editorial Board (Editorial Advisory Board) Clean Air Journal, published in South Africa, <http://www.cleanairjournal.org.za/board/index.php>, 2016- present.
- Reviewer of the Renewables Global Status Report, REN21, 2016-present.
- Reviewer in several journals.

## PUBLICATIONS

### IPCC PUBLICATIONS

- ❖ **Participation** in the elaboration of IPCC special reports and assessment reports during the sixth cycle.
- ❖ **Author** of the Summary for Policymakers and Executive Summary, IPCC Special Report on Climate Change and Land: An IPCC Special Report on Climate Change, Desertification, Land Degradation, Sustainable Land Management, Food Security, and Greenhouse gas fluxes in Terrestrial Ecosystems, published in 8 August 2019.
- ❖ **Author** of the Summary for Policymakers, The Physical Science Basis, Working Group I contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change, August 2021.
- ❖ **Review Editor** of Chapter 6: Short-Lived Climate Forcers, Working Group I contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change IPCC WGI Sixth Assessment Report, August 2021.
- ❖ **Review Editor** of the Summary for Policymakers and longer report of the IPCC Synthesis Report.
- ❖ **Author** of the report of the Expert Meeting on Short-lived Climate Forcers, 2018.
- ❖ **Author** of the report of the Joint 1st and 2nd IPCC Expert Meeting on Short-lived Climate Forcers, 2021.
- ❖ **Author** of the report of the 3rd IPCC Expert Meeting on Short-lived Climate Forcers, 2022.
- ❖ **Member** of the Scientific Steering Committee: IPCC Special Report on Climate Change and Land, IPCC Synthesis Report, Expert Meeting on Short-lived Climate Forcers.

### Contributions to improving IPCC process

- ❖ **Member** of the Informal Group on Publications (IGPubs).

### Peer-Reviewed Publications

#### As to 6.5.2023:

Scopus: more than 74 peer-reviewed papers, h-index= 27, more than 2090 citations.  
Google Scholar, h-index=32, i10-index=58, more than 3000 citations.

#### 2023

1. A Dajuma, M Bamba Sylla, M Tall, M Almazroui, N Yassaa, A Diedhiou and F Giorgi, Projected expansion of hottest climate zones over Africa during the Mid and late 21<sup>st</sup> century, Environmental Research: Climate 2 (2023) 025002.
2. A Boudghene Stambouli, T benmessaoud, N Yassaa, Green Hydrogen and its role in the Algerian energy transition, 2023, under review.
3. L Rabhi, A Lemou, R Ladji, JB Nicolas, N Bonnaire, J Sciare, N Mihalopoulos, N Yassaa, Size distribution of water-soluble ions in the Southwest Mediterranean Basin: results from the ChArMEx project, 2023, under review.

4. S Khedidji, C Balducci, L Rabhi, A Cecinato, R Ladji, **N Yassaa**, Influence of the partitioning of the organic compounds in air on the worker health risk assessment: A study case in a paint manufacturing, 2023, under review.

#### 2021

5. M Chikh, S Berkane, A Mahrane, R Sellami, **N Yassaa**, Performance assessment of a 400 kWp multi-technology photovoltaic grid-connected pilot plant in arid region of Algeria, *Renewable Energy* 172, 488-501, 2021.

#### 2020

6. A Lemou, L Rabhi, H Merabet, R Ladji, JB Nicolas, N Bonnaire, Mohamed Abou Mustapha, Redha Dilmi, Jean Sciare, Nikolaos Mihalopoulos, **Noureddine Yassaa**, Chemical characterization of fine particles (PM<sub>2.5</sub>) at a coastal site in the South Western Mediterranean during the ChArMex experiment, *Environmental Science and Pollution Research* 27, 20427-20445, 2020.
7. S Khedidji, K Müller, L Rabhi, G Spindler, KW Fomba, D van Pinxteren, **Noureddine Yassaa**, Hartmut Herrmann, Chemical Characterization of Marine Aerosols in a South Mediterranean Coastal Area Located in Bou Ismaïl, Algeria, *Aerosol and Air Quality Research* 20 (11), 2448-2473, 2020.
8. I Vamvakas, V Salamalikis, D Benitez, A Al-Salaymeh, S Bouaichaoui, **Noureddine Yassaa**, AmenAllah Guizani, Andreas Kazantzidis, Estimation of global horizontal irradiance using satellite-derived data across Middle East-North Africa: The role of aerosol optical properties and site-adaptation methodologies, *Renewable Energy* 157, 312-33, 2020.
9. O Guerri, A Dali, SM Boudia, **N Yassaa**, Performance evaluation of a wind farm using different power density distributions, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-13, 2020.
10. A Lemou, L Rabhi, N Cherifi, R Ladji, **N Yassaa**, *Algerian Journal of Environmental Science and Technology* 6 (3), 2020.
11. N Oucher, R Kerbach, G Passerini, S Carletti, **N Yassaa**, Ozone photochemical pollution over the Northe of Algeria: Cartography and modelling, *WIT Transactions on Ecology and the Environment* 244, 125-136, 2020.

#### 2019

12. S Louassa, O Guerri, A Kaabeche, **N Yassaa**, Effects of local ambient air temperatures on wind park performance: case of the Kaberten wind park, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-14, 2019.
13. H Merabet, R Kerbach, N Mihalopoulos, I Stavroulas, M Kanakidou, **N. Yassaa**, Measurement of atmospheric black carbon in some South Mediterranean cities: Seasonal variations and source apportionment, *Clean Air Journal* 29 (2), 1-19, 2019.

#### 2018

14. L Rabhi, A Lemou, A Cecinato, C Balducci, N Cherifi, R Ladji, **N Yassaa**, Polycyclic aromatic hydrocarbons, phthalates, parabens and other environmental contaminants in dust and suspended particulates of Algiers, Algeria, *Environmental Science and Pollution Research* 25, 24253-24265

15. K Abdeladim, S Bouchakour, AH Arab, SO Amrouche, **N Yassaa**, Promotion of renewable energy in some MENA region countries, IOP Conference Series: Earth and Environmental Science 154 (1), 012003, 2018.
16. S Semaoui, K Abdeladim, AH Arab, S Boulahchich, SO Amrouche, **N Yassaa**, Experimental grid connected PV system power analysis, AIP Conference Proceedings 1968 (1), 030032, 2018.
17. AH Arab, IH Mahammed, SO Amrouche, B Taghezouit, **N Yassaa**, Performance degradation of photovoltaic modules at different sites, IOP Conference Series: Earth and Environmental Science 154 (1), 012005, 2018.
18. K Assami, R Ladj, Y Moussaoui, **N Yassaa**, BY Meklati, Influence of car body repair activities on particulate matter pollution in a suburban area (Bouzaréah City, Algiers), International Journal of Environmental Science and Technology 15, 1019-1028, 2018.

## 2017

19. S. Khedidji, C. Balducci, R. Ladj, A. Cecinato, M. Perilli, **N. Yassaa**, Chemical composition of particulate organic matter at industrial, university and forest areas in Bouira province, Algeria, Atmospheric Pollution Research 8, 474-482, 2017.
20. A. Akbi, M. Saber, M. Aziza, **N. Yassaa**, An overview of sustainable bioenergy potential in Algeria, Renewable and Sustainable Energy Reviews 72, 240-245, 2017.
21. AH Arab, S Bouchakour, SO Amrouche, K Abdeladim, S Semaoui, B Taghezouit, A Razagui, S Boulahchiche, F Tobbal, **N Yassaa**, Qualité de la tension au point d'injection du système photovoltaïque du CDER, Journal of Renewable Energies 20 (1), 1-9, 2017.
22. SO Amrouche, SH Saidj, S Boumechta, AH Arab, K Abdeladim, S Bouchakour, **N Yassaa**, Distributed photovoltaic systems in Algeria and control of DC-DC converters for grid integration-an overview, Energy Procedia 136, 356-361, 2017.
23. N Ouafi, H Moghrani, N Benaouda, **N Yassaa**, R Maachi, Evaluation qualitative et quantitative de la qualité des feuilles de Laurier noble Algérien séchées dans un séchoir solaire convectif, Journal of Renewable Energies 20 (1), 161-168, 2017.
24. AH Arab, S Bouchakour, K Abdeladim, SO Amrouche, S Semaoui, B Taghezouit, **N Yassaa**, Connection of the CDER-Algiers photovoltaic system to low-voltage distribution grid, Energy Procedia 136, 145-150
25. S Khedidji, K Croes, **N Yassaa**, R Ladj, MS Denison, W Baeyens, Marc Elskens, Assessment of dioxin-like activity in PM<sub>10</sub> air samples from an industrial location in Algeria, using the DRE-CALUX bioassay, Environmental Science and Pollution Research 24, 11868-11877, 2017.

## 2016

26. **N. Yassaa**, Air pollution may alter efforts to mitigate climate change, Atmospheric Environment 127, 2016, 221-222.
27. A. Akbi, **N. Yassaa**, R. Boudjema, B. Aliouat, A new method for cost of renewable energy production in Algeria: Integrate all benefits drawn from fossil fuel savings, Renewable & Sustainable Energy Reviews 56, 2016, 1150-1157.



28. N. Ouafi, N. Benaouda, H. Moghrani, **N. Yassaa**, R. Maachi, Experimental analysis of solar drying kinetic of Algerian bay leaves (*Laurus nobilis* L.), *Revue des Energies Renouvelables* 19, 251-264, 2016.
29. D. Schüler, S. Wilbert, N. Geuder, R. Affolter, F. Wolfertstetter, C. Prah, M. Röger, M. Schroedter-Homscheidt, G. Abdellatif, A. Allah Guizani, M. Balghouthi, A. Khalil, A. Mezrhab, A. Al-Salaymeh, **N. Yassaa**, F. Chellali, D. Draou, P. Blanc, J. Dubranna, O. M. K. Sabry, The enerMENA Meteorological Network – Solar Radiation Measurements in the MENA Region, DOI: 10.1063/1.4949240, 2016. Conference: SOLARPACES 2015: International Conference on Concentrating Solar Power and Chemical Energy Systems.

## 2015

30. S. Khedidji, K. Croes, **N. Yassaa**, R. Ladj, M.S. Denison, W. Baeyens and M. Elskens, Assessment of dioxin-like activity in PM<sub>10</sub> air samples from an industrial location in Algeria, using the DRE-CALUX bioassay, *Environmental Science and Pollution Research*, DOI 10.1007/s11356-015-5841-4, 2015.
31. PK Misztal, CN Hewitt, J Wildt, JD Blande, ASD Eller, S Fares, DR Gentner, JB Gilman, M Graus, J Greenberg, AB Guenther, A Hansel, P Harley, M Huang, K Jardine, T Karl, L Kaser, FN Keutsch, A Kiendler-Scharr, E Kleist, BM Lerner, T Li, J Mak, AC Nölscher, R Schnitzhofer, V Sinha, B Thornton, C Warneke, F Wegener, C Werner, J Williams, DR Worton, **N Yassaa** and AH Goldstein, Atmospheric benzenoid emissions from plants rival those from fossil fuels, *Nature, Scientific Reports*, 5:12064 | DOI: 10.1038/srep12064, 2015.
32. N. Ouafia, H. Moghrani, N. Benaouada, **N. Yassaa**, R. Maachi, R.Younsi, Moisture sorption isotherms and heat of Algerian Bay Leaves (*Laurus nobilis*) Maderas. *Ciencia y Tecnología* 17(4), 759 - 772, 2015.
33. F.N. Allouche, **N. Yassaa**, H. Lounici, Sorption of Methyl Orange from Aqueous Solution on Chitosan Biomass , *Procedia Earth and Planetary Science* 15, 596-601, 2015.

## 2014

34. E. Mesarchaki, **N. Yassaa**, D. Hein, H. Lutterbeck, H.W. Bange, J. Williams, A novel method for the measurement of VOCs in seawater using needle traps and GC-MS, *Marine Chemistry* 159, 1-8, 2014.
35. A. Boudghene Stambouli, Z. Khiat, S. Flazi, H. Tanemoto, M. Nakajima, H. Isoda, F. Yokoyama, S. Hannachi, K. Kurokawa, M. Shimizu, H. Koinuma, **N. Yassaa**, Trends and challenges of sustainable energy and water research in North Africa: Sahara solar breeder concerns at the intersection of energy/water, *Renewable and Sustainable Energy Reviews* 30, 912-922, 2014.
36. R. Ladj, **N. Yassaa**, C. Balducci, A. Cecinato, Particle size distribution of n-alkanes and polycyclic aromatic hydrocarbons (PAHs) in urban and industrial aerosols of Algiers, Algeria, *Atmospheric Pollution and Research* 21, 1819-1832, 2014.
37. C. Balducci, R. Ladj, V. Muto, P. Romagnoli, **N. Yassaa**, A. Cecinato, Biogenic and anthropogenic organic components of Saharan sands, chemosphere, in press, 2014.

## 2013

38. S. Khedidji, R. Ladji, **N. Yassaa**, « A wintertime study of polycyclic aromatic hydrocarbons indoor and outdoor air of a big student residence in Algiers, Algeria », *Atmospheric Pollution and Research* 20, 4906-4919, 2013.
39. Y. Foudil-Cherif, **N. Yassaa**, « Essential Oil Composition and Enantiomeric Distribution of Monoterpenes in the Volatile Fraction of Algerian Myrtle (*Myrtus Communis* L.) Leaves», *Journal of Essential Oils Research* 25 (5) , 401-407, 2013.

## 2012

40. **N. Yassaa**, W. Song, J. Lelieveld, A. Vanhatalo, J. Bäck, J. Williams, Diel cycles of isoprenoids in the emissions of Norway spruce, different Scots pine chemotypes, and in Boreal forest ambient air during HUMPPA-COPEC-2010, *Atmospheric Chemistry and Physics* 12, 7215-7229, 2012.
41. Y. Foudil-Cherif, **N. Yassaa**, «Enantiomeric and non-enantiomeric monoterpenes of *Juniperus communis* L. and *Juniperus oxycedrus* needles and berries determined by HS-SPME and enantioselective GC/MS », *Food Chemistry* 135, 1796-1800, 2012.
42. B.J.H. van Stratum, J. Vil`a-Guerau de Arellano, K. van den Dries, H. G. Ouwersloot, T.W. van Laar, M. Martinez, J. Lelieveld, J.-M. Diesch, F. Drewnick, Z. Hosaynali Beygi, H. Fischer, E. Regelin, H. Harder, V. Sinha, J.A. Adame Carnero, M. Sörgel, R. Sander, H. Bozem, W. Song, J. Williams, and, **N. Yassaa**, « Study of the diurnal variability of atmospheric chemistry with respect to boundary layer dynamics during DOMINO », *Atmospheric Chemistry and Physics* 12, 5329-5341, 2012.

## 2011

43. **N. Yassaa**, P. Ciccioli, E. Brancaleoni, F. Frattoni, B.Y. Meklati, «Ambient measurements of selected VOCs in populated and remote sites of the sahara desert », *Atmospheric Research*, 100, 2011, 141-146.
44. W. Song, J. Williams, **N. Yassaa**, E. Regelin, H. Harder, M. Martinez, J.A.A. Carnero, P.H. Fernandez, H. Bozem, H. Fisher, J. Lelieveld, “Characterization of enantiomeric monoterpenes and anthropogenic BTEX compounds at a Mediterranean Stone pine Forest site in Southern Spain”, *Journal of Atmospheric Chemistry* 68, 233-250, 2011.
45. J. N. Crowley, J. Thieser, M. Tang, G. Schuster, H. Bozem, Z. Hosaynali Beygi, H. Fischer, J. Diesch, F. Drewnick, S. Borrmann, W. Song, **N. Yassaa**, J. Williams, D. Pöhler, U. Platt, J. Lelieveld, “Variable lifetimes and loss mechanisms for NO<sub>3</sub> and N<sub>2</sub>O<sub>5</sub> during the DOMINO campaign: Contrasts between marine, urban and continental air” *Atmospheric Chemistry and Physics* 11, 10853-10870, 2011
46. J. Williams, J. Crowley, H. Fischer, H. Harder, M. Martinez, T. Petäjä, J. Rinne, J. Bäck, M. Boy, M. Dal Maso, J. Aalto, H. Aaltonen, J. Hakala, M. Kajos, P. Keronen, P. Rantala, J. Levula, T. Pohja, H. Hakola, J. Paatero, T. Vesala, F. Herrmann, J. Auld, E. Mesarchaki, W. Song, **N. Yassaa**, A. Nölscher, A.M. Johnson, T. Custer, V. Sinha, J. Thieser, N. Pouvesle, D. Taraborrelli, M.J. Tang, H. Bozem, Z. Hosaynali-Beygi, R. Axinte, R. Oswald, A. Novelli, D. Kubistin, K. Hens, U. Jeved, K. Trawny, C. Breitenberger, P.J. Hidalgo, G.J. Ebben, F.M. Geiger, A. L. Corrigan, L.M. Russell, H.G. Ouwersloot, J. Vilà-Guerau de

- Arellano, L. Ganzeveld, A. Vogel, M. Beck, A. Bayerle, C.J. Kampf, M. Bertelmann, F. Köllner, T. Hoffmann, J. Valverde, D. González, M.-L. Riekkola, M. Kulmala, J. Lelieveld. "The summertime Boreal forest field measurement intensive (HUMPPA-COPEC-2010): an overview of meteorological and chemical influences. *Atmospheric Chemistry and Physics* 11, 10599-10618, 2011.
47. S. Khedidji, R. Ladji, N. Yassaa, «Monitoring of polycyclic aromatic hydrocarbons in atmospheric aerosols of Algiers city area : occurrence and size distribution», *International Proceedings of Chemical, Biological & Environmental Engineering*, Vol. 24, pp. 304-308, Edited by Wu Kaijin, IACSIT Press, Singapore, 2011.
- 2010**
48. N. Yassaa, T. Custer, W. Song, F. Pech, J. Kesselmeier, J. Williams, "Quantitative and enantioselective analysis of monoterpenes from plant chambers and in ambient air using SPME", *Atmospheric Measurement Techniques* 3, 1615-1627, 2010.
49. R. Ladji, N. Yassaa, C. Balducci, A. Cecinato, "Organic components of Algerian desert dust", *Chemosphere* 81, 925-931, 2010.
50. J. Williams, T. Custer, H. Riede, R. Sander, P. Jöckel, P. Hoor, S. Wong-Zehnpfennig, Z. Hosaynali Beygi, H. Fischer, V. Gros, A. Colomb, B. Bonsang, N. Yassaa, I. Peeken, E. Atlas, C. Waluda, J. van Aardenne, J. Lelieveld, "Ozone over the Southern Oceans is exceptionally sensitive to ship exhausts", *Environmental Chemistry*, 2010, 7, 171-182.
51. B. Bonsang, V. Gros, I. Peeken, N. Yassaa, E. Zöllner, K. Bluhm, R. Sarda-Esteve, J. Williams, "Isoprene emission from phytoplankton monocultures, relationship with chlorophyll, cell volume, and carbon content", *Environmental Chemistry*, 2010, 7, 554-563.
- 2009**
52. N. Yassaa, A. Wishkerman, F. Keppler, J. Williams "A method for the fast determination of methyl chloride and methyl bromide emissions from plant leaf litter, soil and salt samples using HS-SPME and GC-MS", *Environmental Chemistry* 6, 311-318, 2009.
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## OTHER PUBLICATIONS

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2. Director of publication: Transition Energétique en Algérie : *Leçons, Etat des Lieux et Perspectives pour un Développement Accéléré des Energies Renouvelables*, 2020.
3. Director of publication: *Éclairage Public en Algérie : Référentiel National pour une Lumière de Qualité et Ecoénergétique*, 2021.
4. Director of publication: *Guide Technique des Installations Solaires Photovoltaïques Autonomes et Raccordées au Réseau Basses Tensions*, 2022.
5. Director of publication: *Recueil de textes réglementaires relatifs aux énergies renouvelables et à l'efficacité énergétique*, 2022.
6. Contributing author: *Renewables Global Status Report*, 2020, 2021, 2022, published by REN21.
7. Reviewer: *Integrated assessment of air pollution and climate change for sustainable development in Africa*, 2022, published by the United Nations Environment Programme.
8. Author: *World Energy Resources 2016*, 2016, published by World Energy Council.

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Author of many textbook chapters and many articles in newspapers and open public media, interviews, round table animations and Plenary Conferences, Oral and Poster Communications presented at national, regional and international Conferences. The list can be provided upon request.

## HONOURS AND AWARDS

- 1995** Honor Diploma in Chemistry, University of Sciences and Technology, U.S.T.H.B.-Algiers, for being graduated first in the class of Chemistry.
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- 2003** Recipient of the National Conference of the Universities award for the best Young Researcher in Algeria.
- 2007** Recipient of the Algerian Ministry of Environment award.
- 2010** Recipient of the First CHEMRAWN VII (Chemical Research Applied for World Needs) Prize for Atmospheric and Green Chemistry of IUPAC (International Union for Pure and Applied Chemistry).
- 2011** Recognition award from the General Directorate for Scientific Research and Technological Development (DG-RSDT).
- 2019** Algeria Scopus Award 2019-Chemistry.