

# Curriculum Vitae

## Personal information

Name & Surname **Sonila Kane**  
E-mail [sonila.kane@gmail.com](mailto:sonila.kane@gmail.com)  
Nationality Albanian  
Date of birth 08 July 1982



## Work experience

**2006-2010** Specialist in the Environmental Department of Albpetrol  
ALBPETROL, Patos, Fier, Albania

**2017 - Continue** Lecturer of Chemistry (part time)  
University of Tirana, Faculty of Natural Sciences-Chemistry Department

**2009 - 2011** Lecturer of Chemistry (part time)  
Agricultural University of Tirana, Faculty of Biotechnology and Food, Biology-Chemistry Department

**2011 - continue** Lecturer of Chemistry  
University "Ismael Qemali" of Vlora, Faculty of Technical Science

**2017- Continue** Head of Research and Scientific Centre, Faculty of Technical Science

**Taught courses** Organic Chemistry, Physical Chemistry, Environmental Chemistry

## Education

**1996 - 2000** **General High School**  
High School "Perikli Ikonomi" Fier

**2000 - 2005** **Bachelor & Master of Science**  
General Chemistry (integrated degree of the second level)  
University of Tirana, Faculty of Natyral Science

**2006 - 2008** **Master of Science**  
Faculty of Natyral Science, Dep.of Chemistry,  
**Field:** Post graduate in Chemical analysis and instrumental methods of structure identification.  
**Topic:** "Study of some dumps of copper industry in Mirdita area"  
**Advisor:** Prof. Pranvera Lazo

2011 - 2014 **Doctor of Science**  
Faculty of Natyral Science, Dep.of Chemistry, Graduate School

**Field:** Chemical analysis of matter and environment.

**Dissertation topic:** "Study of environmental situation of Vlora Bay based on physico-chemical parameters"

**Advisor:** Prof.Pranvera Lazo

## Personal Skills and Competences

Mother language **Albanian**

Other language(s)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
European level (*)	C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user

**English**

(\*) [Common European Framework of Reference \(CEF\) level](#)

**Italian** Good knowledges in Understanding, speaking and writing.

**Computer skills** Microsoft office, Internet explorer, Stats, Minitab,

## Projects

National projects

**Project:** Development of the implementation of analytical methods for the evaluation of environmental pollution from toxic substances in surface waters and groundwater and drinking rajonirajonit Vlora

**Position:** Researcher.

**Funded by:** National programs of Research and Development (PKKZH)

**Period:** 2011 - 2014

**Results ( Articles, conferences):**

1. B. Shkurtaj, A. Cullaj, P. Kotori, S. Kane, M. Muco, V. Cako, L. Hasanaj, V.Hasanaj "The Complex of analytical methods used to assess the level of water pollution in Vlora Region". National programs of Research and Development for the period 2010-2014, vol I, ISBN 978-9928-4169-8-8. Workshop, December 2014, Tirane, Albania;
2. P.Kotori, L. Hasani, S. Kane, M. Muco "Physical and chemical features foraminifera of Narta Lagoon". International Interdisdisciplinary Conference Vlorë, Albania, 26-28 November, 2012.

**International projects** **Project:** Wireless water quality monitoring of ARACHTHOS and VJOSA rivers  
**Position:** Researcher

**Project Leader:** University of Ioannina  
**Project Partner:** University of Ioannina, University of Vlora  
**Funded by:** GREECE-ALBANIA IPA CROSS BORDER PROGRAMME  
**Period :** 2011-2014

**Results ( Articles, conferences):**

1. T. Albanis, Z. Anagnostou, Ch. Avdikou, T. Bohlos, V. Boti, A. Bousis, I. Evangelou, I. Flouris, K. Foudas, A. Hyso, M. Kalampoka, S. Kane, M. Kapsi, P. Kokkas, P. Kotori, Th. Koukoulis, N. Manthos, M. Muco, S. Mpletsas, I. Papadopoulos, E. Paradas, G. Randoglou, I. Rizos, I. Skopoulis, E. Tsiipi, L. Tsoulanas, C. Tsoutsis. "A simple wireless system for remote system for remote water quality monitoring in rural area rivers". 3<sup>rd</sup> Science for the Environment Conference Aarhus Denmark 1-2 October 2015

**Project:** International Cooperative Programme on Effects of Air Pollution on Natural Vegetation and Crops (Moss survey for HM elements) - Continued from 2010, Wireless water quality monitoring of ARACHTHOS and VJOSA rivers

**Position:** Researcher  
**Period :** 2010- continue

**Scientific articles &  
Conferences**

**Work in Progress**

**Articles in International  
Scientific journals**

1. P. Lazo, S. Kane, Sh Allajbeu, F. Qarri, Lirim Bekteshi, M. Frontasyeva, T. Stafilov "Trace The Evaluation of Air Quality in Albania by Moss Biomonitoring and Metals Atmospheric Deposition" (Monograph in progress)
1. Lazo P, Steinnes E., Qarri F, Allajbeu Sh, Kane S, Stafilov T, Frontasyeva M V, Harmens H. (2018)  
"Origin and spatial distribution of metals in moss samples in Albania: A hotspot of heavy metal contamination in Europe", Chemosphere (**Thomson Reuters Impact Factor : 4.208**).
2. S. Kane, P. Lazo, F. Ylli, T. Stafilov, F. Qarri, E. Marku (2015)  
"Separation of heavy metals from water samples -The study of the synthesis of complex compounds of heavy metals with sodium diethyldithiocarbamates"  
**Journal of Environmental science and health, Part A.** DOI 10.1080/10934529.2015.1109408. (**Impact Factor 1.276**)
3. S. Kane, P. Lazo, F. Qarri, E. Marku (2015)  
"Assessment of environmental situation of Narta and Orikumi Lagoon, Albania"  
**Fresenius Environmental Bulletin**, Volume 24- No 9a. 2015, pp 2975 - 2984. ISSN 1018-4619. (**Impact Factor 0.378**)
4. F. Qarri, P. Lazo, L. Bekteshi, S. Kane, Elda Marku  
"A study on road traffic emissions of heavy metals in a tunnel experiment in Tirana, Albania by using dust samples"  
**Fresenius Environmental Bulletin**: Volume 24- No 6. 2015, pp 2101-2012. ISSN 1018-4619. (**Impact Factor 0.378**)
5. F. Qarri, S. Kane, P. Lazo (2014)  
"Environmental assessment of dissolved heavy metals in Vlora bay, Albania"  
**Fresenius Environmental Bulletin**, Volume 23-No 7, 2014, pp. 1539-1546. ISSN 1018-4619

**(Impact Factor 0.378)**

6. A. Maxhuni, P. Lazo, S. Kane, F. Qarri, E. Marku, H. Harmens (2015)  
“First national survey of atmospheric heavy metal deposition in Kosovo by using moss biomonitoring and AAS” Environmental Science and Pollution Research, Volume 23/1, pp. 744-755. ISSN 0944-1344.

**(Impact Factor 2.76)**

7. S. Kane, F. Qarri, P.Lazo (2015)  
“Environmental situation of Vlora Bay, Albania based on physico-chemical parameters of seawater”, **Austin Journal of Hydrology, Volume 2/1, 2015**; ISSN: 2380-0763.
8. S. Kane, P. Lazo (2015)  
“Application of multivariate statistical analysis in the assessment of water Quality of Vlora Bay, Albania” . **International Journal of Current Research, 03/2015**; Available online at <http://www.journalcra.com> . **(Scientific Journal Impact Factor 6.226; Global Impact Factor 0.765)**.
9. S. Kane, F. Qarri, P. Lazo, L. Bekteshi (2015)  
“The Effect of Physico-Chemical Parameters and Nutrients on Fish Growth in Narta Lagoon, Albania”  
**Journal of Hygienic Engineering and Design, Volume 10, 03/2015**; UDC 639.32(496.5); ISSN: 1857-8489. Available online at <http://www.jhed.mk/>

Articles in National  
Scientific journals  
(in Albanian and foreign  
language)

1. Allajbeu Sh, Qarri F, Kane S, Stafilov T, Frontasyeva MV, Lazo P (2016).  
“Determination of trace elements in moss samples with different multi element Analytical Techniques, such as ENAA And ICP-AES” Published in Albanian Journal of Natural and Technical Sciences, 2016 ISSN 2074-0867(**Global Impact Factor 0.596**)
2. S. Kane, P. Lazo, F. Qarri (2015)  
“Assesment of water quality of the main ports in Vlora city, Albania”, **Albanian Journal of Natural and Technical Sciences, 2015** ISSN (**Global Impact Factor 0.596**)
3. S. Kane, P. Lazo (2012)  
“Evaluation of environmental situation of Narta and orikumi lagoon (in Albanian)”. Buletin of Natural sciences No 14 (2012). ISSN 2305-882X, published by Faculty of Natural Sciences, University of Tirana pp. 80-92
4. S. Kane, P. Lazo (2012).  
“Assessment of condition of Narta and Orikumi Lagoons by determination of Heavy Metals content in water and sediments”. Albanian Journal of Natural and Technical Sciences (AJNTS) (2012): ISSN 2074-0867, No. 33(2), pp 33-43
5. F. Qarri, S. Kane, P. Lazo. (2012)  
“The assessment of trace elements pollution in Vlora area”. Albanian Journal of Natural and Technical Sciences (AJNTS) (2012): ISSN 2074-0867, No. 33(2), pp. 21-32 Universiteti i Janinës, Greqi (Nëntor 2013)

Participation in  
international scientific  
activities (seminars,  
congresses, conferences)

1. P. Lazo, S. Allajbeu, L. Bekteshi, F. Qarri, S. Kane, M. Frontasyeva, T. Stafilov  
“The effects of anthropogenic factors to sea spray elements studied by moss biomonitoring in inland and coastal areas of Albania”. [33th Task Force Meeting, January 2020, Riga, Latvia](#)
2. L. Bekteshi, S. Kane, S. Allajbeu, F. Qarri, M. Frontasyeva, T. Stafilov, P. Lazo.  
“The study of crustal and lithogenic elements in atmospheric deposition of Albania evaluated by moss biomonitoring” [33th Task Force Meeting, January 2020, Riga, Latvia](#)
3. F. Qarri, S. Kane, S. Allajbeu, L. Bekteshi, M. Frontasyeva, T. Stafilov, P. Lazo. “The study of anthropogenic elements in atmospheric deposition of Albania evaluated by

- moss biomonitoring” [33th Task Force Meeting, January 2020 , Riga, Latvia](#)
4. Kane S, Qarri F, Lazo P  
 “An overview of water quality of Narta Lagoon, Albania, based on physical-chemical parameters” .“Natural resources, green technology and sustainable development/3-GREEN2018“ 5-8 June 2018, Zagreb Croatia.
  5. S. Kane, R. Trikshiqi, L. Bekteshi, F. Qarri, P. Lazo, (2018)  
 “Study of air deposition of trace elements using vascular plants as bioindicators”.  
 The 8th International Workshop on Biomonitoring of Atmospheric Pollution (BIOMAP 8). Dubna, July 2-7, 2018. **Abstracts book pp. 67. ISBN 978-5-9530-0495-4.**  
<http://www.biomap-international.com> , <http://indico.jinr.ru/event/biomap8>
  6. Pranvera Lazo, Shaniko Allajbeu, **Flora Qarri**, Sonila Kane, Trajce Stafilov, Marina V. Frontasyeva, Eiliv Steinnes, Harry Harmens (2018)  
 “Combination of naturally growing bryophyte moss biomonitoring, instrumental analyses, statistical analysis and GIS technique for evaluating trace elements atmospheric deposition - 2010, 2015 moss biomonitoring in Albania”.  
 The 8th International Workshop on Biomonitoring of Atmospheric Pollution (BIOMAP 8). Dubna, July 2-7, 2018. **Abstracts book pp. 33. ISBN 978-5-9530-0495-4.**  
<http://www.biomap-international.com> , <http://indico.jinr.ru/event/biomap8>
  7. L. Bekteshi, Sh. Allajbeu, **S. Kane**, F. Qarri, T. Stafilov, P. Lazo  
 “Assessment of air quality in Albania based on atmospheric deposition of trace elements in coastal and inland areas”. [32th Task Force Meeting, February 2019 , Targoviste, Romania](#)  
 Sh. Allajbeu, L. Bekteshi, F. Qarri, **S. Kane**, P. Lazo, T. Stafilov (2018)  
 “Distribution of Trace Elements Influence from Sea Coastal Line by Using Moss Biomonitoring”  
[The 31th Task Force Meeting of the UNECE ICP Vegetation for Europe Convention on Long - Range Transboundary Air Pollution. 5 - 8 March 2018, Dessau-Roßlau, Germany.](#) **Abstract book p. 56.**  
<https://icpvegetation.ceh.ac.uk/publications/documents/Bookofabstractsfinal.pdf>
  9. E Shahu, E Ninga, **S Kane**, V. Mara “Determination of Kumaphos in honey bees using LC/MS/MS” International Scientific Symposium on the 65th Anniversary of the Faculty of Veterinary Medicine, Tirana, Albania 2 November 2017.
  10. Qarri, F., **Kane, S.**, Allajbeu, Sh., Lazo, P., Stafilov T. (2017). “Atmospheric deposition of trace metal in Albania (2015 moss survey) evaluated by moss biomonitoring and ICP-AES analysis”. [30th Task Force Meeting, February 2017 , Poznan, Poland](#)
  11. Lazo P., Allajbeu S., Qarri F., **Kane S.**, Frontasyeva M.V., Stafilov T. (2017). “Mineral particles dust important sources of trace metal in atmospheric deposition in Albania”. [30th Task Force Meeting, February 2017 , Poznan, Poland](#)
  12. F. Qarri, P. Lazo, T. Stafilov, **S. Kane**, E. Marku  
 Moss biomonitoring in Albania: present and future  
[29th Task Force Meeting of the ICP Vegetation](#), March 2016, Dubna Russian Federation. Abstract book, p. 72
  13. **S. Kane**, F. Qarri, P. Lazo, L. Bekteshi  
 “A study of the environment situation of Vlora area based in trace elements level in air and water”  
 The 2nd Virtual Multi-disciplinary Conf. QUAESTI December 15-19, 2014, Zilina, Slovakia [www.quaesti.com](http://www.quaesti.com). **Proceedings Book**
  14. **S. Kane**, F. Qarri, P. Lazo  
 “Assessment of environmental situation of Oriqumi Lagoon, Albania, based on dissolved heavy metals concentration and some physical-chemical parameters in water”  
 IV International Conference “Ecology of Urban Areas”, October 2014, Serbia. Abstract book, p. 29

- Proceedings Book**, pp. 285-293, ISBN 978-86-7672-237-2
15. L. Bekteshi, P. Lazo, F. Qarri, **S. Kane**  
 “The study of the impact of emissions from road traffic on contamination by H.M in the Krraba tunnel”  
 IV International Conference “Ecology of urban areas”, October 2014, Serbia.  
 Abstract book, p. 51  
**Proceedings Book**, pp. 586-594, ISBN 978-86-7672-237-2
  16. **S. Kane**, F. Qarri, P. Lazo  
 “Assessment of environmental situation of Narta Lagoon based on physico-chemical parameters and heavy metals content in water”  
 4th International Conference of Ecosystems (ICE2014), May 2014, Tirana, Albania,  
 Abstract book, p. 49-50. ISBN: 978-9928-4068-9-7,  
**Proceeding Book**, pp. 243-250. ISBN: 978-9928-4068-8-0
  17. F. Qarri, **S. Kane**, P. Lazo  
 “Heavy metals and nutrients in coastal seawaters of Vlora bay: an environmental study”  
 4th International Conference of Ecosystems (ICE2014) May 2014, Tirana, Albania.  
 Abstract book, p. 116-117, ISBN: 978-9928-4068-9-7,  
**Proceeding Book**, pp. 643-648. ISBN: 978-9928-4068-8-0
  18. P. Kotori, L. Hasanaj, **S. Kane**  
 “Physical-chemical parameters and assessment of pollution through bioindicators of Narta Lagoon”  
 TEN ECOPORT 1st International Conference, Sustainable Development of Sea-Corridors and Coastal Waters 3 April 2014, Polytechnic University of Tirana, Albania  
**Proceeding Book (botuar ne Springer):** Sustainable Development of Sea-Corridors and Coastal Waters. The TEN ECOPORT project in South East Europe. C. Stylios, et al.(eds). © Springer International Publishing Switzerland 2015: pp 47-55 DOI 10.1007/978-3-319-11385-2\_5: pp 47-55 , 2015
  19. **S. Kane**, F. Qarri, P. Lazo  
 “The evaluation of water quality of Vlora Bay, Albania based on physical-chemical parameters and the heavy metals content”  
 23rd Congress of Chemists and Technologists of Macedonia, October 08-11, 2014, Ohrid Macedonia. Abstract book, p. 144. ISBN 978-9989-668-99-9,
  20. Flora Qarri, **Sonila Kane**, Pranvera Lazo  
 Assessment of trace element pollution around Vlora area  
[27th Task Force Meeting of the ICP Vegetation](#), January 2014, Paris. Abstract book, p. 44
  21. F. Qarri, P. Lazo, T. Stafilov, L. Bekteshi, **S. Kane**,  
 The environment situation of the Albanian coastal area based on the assessment of trace elements depositions by using mosses as bioindicators and sea effect on this assessment  
[28th Task Force Meeting of the ICP Vegetation](#), February 2015, Rome. Abs. book, p. 73
  22. B.Shkurtaj, A. Cullaj, P. Kotori, **S. Kane**, M. Muco, V. Cako, L. Hasanaj, V.Hasanaj  
 “The Complex of analytical methods used to assess the level of water pollution in Vlora Region”. National programs of Research and Development for the period 2010-2014, vol I, ISBN 978-9928-4169-8-8. Workshop, December 2014, Tirane, Albania;
  23. **S. Kane**, P. Lazo  
 “Assessment of heavy metals in some dumps of copper mining and plants in Mirdita Area, Albania” BALWOIS, 2012, International Conference on water climate and environment, 28 May - 2 June , Ohrid, Republic ofMacedonia ; USB ISBN 978-608-4510-10-9 <http://www.balwois.com/2012>

24. S. Kane, P. Lazo  
 “Determination of nitrites, nitrates, fosfates and some physical-chemical parameters in water of Narta and Orikumi Lagoon and Vlora Bay”. International Conference of Ecosystems (ICE), 1-6 June 2012, Tiranë.  
**Abstract Book:** ISBN 978-9928-4068-5-9. **Proceeding Book :** ISBN 978-9928-4068-2-8, fq 767-773
25. S. Kane, P. Lazo  
 “Monitoring of Vlora Bay environment situation by determino some physical-chemical parameters, nutrients and heavy metals content in water”. International Conference, Shkodër, Albania, 16-17 November, 2012.  
**Abstract Book:** ISBN 978-9928-4135-0-5.  
**Proceeding book:** ISBN 978-9928-4011-9-9, fq. 556-563
26. S. Kane, P. Lazo  
 “Assessment of environment situation and water quality of Vlora Bay and Narta Lagoon by nutrients and heavy metals determination”. International Interdisciplinary Conference, Vlorë, Albania, 26-28 November, 2012.  
**Abstract Book:** ISBN 978-9928-4000-2-4
27. F. Qarri, P. Lazo, D. Kasemi, S. Kane  
 “Impact of pollution on the physico-chemical characteristics of sea water in Vlora bay (Albania)”. International Conference on Marine and Coastal Ecosystems (MarCoastEcos2012), Tirane.  
**Abstract Book::** ISBN 978–9928-137-14-2
28. P.Kotori, L. Hasani, S. Kane, M. Muco  
 “Physical and chemical features foraminifera of Narta Lagoon”. International Interdisciplinary Conference Vlorë, Albania, 26-28 November, 2012.  
**Abstract Book:** ISBN 978-9928-4000-2-4

## References

**Professor Pranvera Lazo**

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**Professor Elda Marku**

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