|  |  |  |  |
| --- | --- | --- | --- |
| Curriculum Vitae | | | |
|  |  | | |
| Personal information |  | | |
| First name(s) / Surname(s) | Vasileios Salamalikis | | |
| Address(es) | 15, Ippodamou Str., 26442, Patras, Greece | | |
| Telephone(s) | - | Mobile: | +30 6984495767 |
| E-mail | [vsalamalik@upatras.gr](mailto:vsalamalik@upatras.gr)  [v\_salamalikis@yahoo.gr](mailto:v_salamalikis@yahoo.gr) | | |
|  |  | | |
| Nationality | Greek | | |
|  |  | | |
| Date of birth | 31/3/1985 | | |
|  |  | | |
| Gender | Male | | |
|  |  | | |
|  |  | | |
| Work experience |  | | |
|  |  | | |
| Dates | 14/6/2010 – 2/7/2010 | | |
| Occupation or position held | Consultant | | |
| Main activities and responsibilities | 1) Assistance in development of a methodological approach and a software application required for the generation of customized gridded isotopic datasets using physical and climatic variables.  2) Teaching a multi-day short course to IAEA Water Resources Programme staff on the use of the R language for data analysis, statistics and graphing. Provide advice and guidelines on the use of statistical methods based on R in connection with the production of WRP publications related to the dissemination, mapping and visualization of isotope data in precipitation, surface waters and ground waters. | | |
| Name and address of employer | International Atomic Energy Agency (IAEA), Isotope Hydrology Section | | |
| Type of business or sector | Isotope Hydrology | | |
|  |  | | |
| Dates | 31/3/2014 – 5/4/2014 | | |
| Title | Short Term Scientific Mission (STSM)  COST ACTION ES1002 WIRE (Weather Intelligence for Renewable Energy)  “On the satellite-based retrieval of the spatial and temporal variability of surface solar irradiance (SSI) under clear sky condition” | | |
| Name and address of employer | Centre O. I. E (Observation, Impacts, Energy), Research Unit “Energy and Processes” – MINES Paris Tech  CS 10207 – 1, rue Claude Daunesse – 06904 Sophia – Antipolis Cedex (France) | | |
| Type of business of sector | Energy and Processes | | |
|  |  | | |
| Education and training |  | | |
|  |  | | |
| Dates | 2009 | | |
| Title of qualification awarded | BSc in Physics | | |
| Dates | 2011 | | |
| Title of qualification awarded | MSc in Applied Physics | | |
| Dates | 2016 | | |
| Title of qualification | PhD | | |
| Name and type of organisation providing education and training | Laboratory of Atmospheric Physics, Department of Physics, University of Patras, Greece | | |
| Occupational fields | Atmospheric Physics, Stable isotopes hydrology, Applied Geostatistics | | |
|  |  | | |
| Personal skills and competences |  | | |
|  |  | | |
| Mother tongue(s) | Greek | | |
|  |  | | |
| Other language(s) | English, French | | |
|  |  | | |
|  |  | | |
| Computer skills and competences | Windows, Microsoft Office, Internet, DIVAGIS, SAGA-GIS, R programming language | | |
|  |  | | |
| Conferences  Seminars | COST ACTION ES0601 (HOME) TRAINING SCHOOL ON R LANGUAGE PROGRAMMING,  Patras, 2009 | | |
|  |  | | |
|  | 10th International Conference of Meteorology, Climatology and Atmospheric Physics, Patras 2010 | | |
|  |  | | |
|  | International Symposium on Isotopes in Hydrology, Marine Ecosystems and Climate Change Studies, 27 March - 1 April 2011, Monaco  Organized by the International Atomic Energy Agency | | |
|  |  | | |
|  | 11th International Conference of Meteorology, Climatology and Atmospheric Physics, Athens 2012, Greece | | |
|  |  | | |
|  | SIBAE Introductory Training Course, Stable isotopes in ecosystem research, 23-29 Sep 2012, Nancy, France | | |
|  |  | | |
|  | Subtropical frontier: A summer school on climate variability and change in the subtropics, June 23-July 3 2013, Costa Navarino, Messinia, Greece | | |
|  |  | | |
|  | 12th International Conference of Meteorology, Climatology and Atmospheric Physics, Heraklion 2014, Greece | | |
|  |  | | |
|  | COST ACTION ES1002 WIRE INTERNATIONAL WORKSHOP ON SKY CAMERAS  “Processing techniques for the detection of atmospheric constituents and the estimation and forecasting of solar irradiance from all-sky images”, Patras,Greece, 24-25 June 2014 | | |
|  |  | | |
| **Research**  **Projects** | 2010-2011  International Atomic Energy Agency (IAEA)  Pilot study on the development and application of geostatistical tools to variability of the isotopic composition of water in the Mediterranean (Coordinated Research Project # 13931) | | |
|  |  | | |
|  | 2011-2013  Hellenic Network of Solar Energy (HNSE) | | |
|  |  | | |
|  | 2014-2014  ENORASIS | | |
|  | 2014-2015  POSEIDON | | |
|  |  | | |
| Publications  (Conferences) | Development and evaluation of a methodology for the generation of stable isotopic data sets  Argiriou A. A., **Salamalikis V**., Lykoudis S.P.  Isotopes in Hydrology, Marine Ecosystems and Climate Change Studies  Proceedings of an International Symposium, Monaco 27 March - 1 April 2011, Vol.1, pp. 161-169 | | |
|  |  | | |
|  | Stable isotopic composition of atmospheric water vapor in Greece.  **Salamalikis V**., Argiriou A.A, Dotsika E.  Proceedings of the 11th International Conference of Meteorology, Climatology and Atmospheric Physics, Athens 2012, p.271-276 | | |
|  |  | | |
|  | Efficient ANN training for the reconstruction of isotopic time series.  Zagouras A., **Salamalikis V.**, Argiriou A. A., Lykoudis S. P.  Proceedings of the 11th International Conference of Meteorology, Climatology and Atmospheric Physics, Athens 2012, p.825-831 | | |
|  |  | | |
|  | Hellenic network of Solar energy.  Bais A. F, Kazantzidis A, Zerefos C. S, Melas D, Kosmidis E, Kazadzis S, Nikitidou E, Giannaros T. M, Zempila M. M, Fragkos K, **Salamalikis V**.  Proceedings of the 11th International Conference of Meteorology, Climatology and Atmospheric Physics, Athens 2012, p.825-831 | | |
|  |  | | |
|  | Estimation of solar irradiance from satellite data and numerical weather predictions at Thessaloniki, Greece.  Bais AF, Kazantzidis A, Tzoumanikas P, Nikitidou E, Giannaros Th, Melas D, Meleti C, Kambezidis H, **Salamalikis V**  Proceedings of the International Radiation Symposium 2012, 6-10 August, Dahelm Cube, Berlin, Germany | | |
|  |  | | |
|  | Solar Atlas of Messinia  Kazantzidis A, Nikitidou E, **Salamalikis V**  2nd NEO Research Workshop, Navarino Environmental Observatory 26-27/10/2012, Greece | | |
|  |  | | |
|  | The aerosol effect on Direct Normal Irradiance in Europe based on satellite data. Nikitidou E., Kazantzidis A., **Salamalikis V.**  Proceedings of the 2nd International Conference for Energy & Meteorology 2013, 25-58 June, Toulouse, France | | |
|  |  | | |
|  | The Hellenic Network of Solar Energy (HNSE)  Kazantzidis A., Bais A., Nikitidou E., Tzoumanikas P., **Salamalikis V.**  Proceedings of the 2nd International Conference for Energy & Meteorology 2013, 25-58 June, Toulouse, France | | |
|  |  | | |
|  | **Σαλαμαλίκης Β**, Αργυρίου, Α., Ντότσικα Ε. Χωρική κατανομή του δ18Ο λόγω του φαινομένου της εξατμισοδιαπνοής στην Ελλάδα.  Τιμητικός Τόμος για τον καθηγητή Απόστολο Φλόκα (Συντακτική Επιτροπή: Κ. Χέλμης, Π. Νάστος). Πανεπιστήμιο Αθηνών, Αθήνα 2014, σ. 161-166. | | |
|  |  | | |
|  | The Hellenic Network of Solar Energy: Validation of Products  Bais A.F., Kazantzidis A., Giannaros Th., Zempila M.M., Kazadzis S., Nikitidou Ε, Tzoumanikas P., **Salamalikis V.**, Kosmidis E., Melas D., Zerefos C.S., Fragkos K., Fountoulakis I., Drosoglou Th., Kotti M.C.  Proceedings of the 12th International Conferemce of Meteorology, Climatology and Atmospheric Physics, Heraklion 2014, Greece, Vol. I, pp. 102-106. | | |
|  |  | | |
|  | Development of a neural network model of cloudiness forecasting for solar energy purposes  Kazantzidis A., ZagourasA., **Salamalikis V.**, Nikitidou E.  Proceedings of the 12th International Conferemce of Meteorology, Climatology and Atmospheric Physics, Heraklion 2014, Greece, Vol. I, pp. 545-550. | | |
|  |  | | |
|  | An isotope-evaporation model for the investigation of the sub-cloud evaporation effect in precipitation  **Salamalikis V.**, Argiriou A.A., Lykoudis S., Dotsika E.  Proceedings of the 12th International Conference of Meteorology, Climatology and Atmospheric Physics, Heraklion 2014, Greece, Vol. III, pp. 133-138. | | |
|  |  | | |
|  | On the induced uncertainties in direct normal irradiance calculations under cloud-free conditions due to aerosol optical depth from MACC re-analysis data  **Salamalikis V.**, Blanc, P., Kazantzidis, A.  14th EMS Annual Meeting & 10th European Conference on Applied Climatology (ECAC), 06 – 10 October 2014, Prague, Czech Republic | | |
|  |  | | |
|  | Development of a neural network model of cloudiness forecasting for solar energy purposes in Greece  Kazantzidis, A., Zagouras, A., **Salamalikis, V.**, Nikitidou E.  14th EMS Annual Meeting & 10th European Conference on Applied Climatology (ECAC), 06 – 10 October 2014, Prague, Czech Republic | | |
|  |  | | |
|  | **Estimation of aerosol optical properties from all-sky imagers**  **Kazantzidis, A., Tzoumanikas, P., Salamalikis, V., Wilbert, S., Prahl, C.**  **Geophysical Research Abstracts, Vol. 17, EGU2015-11654, 2015, EGU General Assembly 2015** | | |
|  |  | | |
|  | **Comparison of Artificial Neural Networks and ARIMA statistical models in simulations of target wind time series**  Kolokythas, K., **Salamalikis, V.**, Argiriou, A., Kazantzidis, A.  Geophysical Research Abstracts Vol. 17, EGU2015-11326, 2015 EGU General Assembly 2015 | | |
|  |  | | |
| Publications  (Journals) | The aerosol effect on Direct Normal Irradiance in Europe under cloud-free skies  Nikitidou E., Kazantzidis A., **Salamalikis V.**  *Renewable Energy 68 (2014) 475-484* | | |
|  |  | | |
|  | Stable isotopic composition of atmospheric water vapor in Patras, Greece: A Concentration Weighted Trajectory approach  **Salamalikis V.**, Argiriou A.A, Dotsika E.  Atmospheric Research 152 (2015) 93-104 | | |
|  |  | | |
|  | Retrieval of surface solar irradiance, based on satellite-derived cloud information. In Greece  Nikitidou E., Kazantzidis, A., Tzoumanikas, P., **Salamalikis, V.**, Bais, A. F.  *Energy 90 (1) (2015) 776-783* | | |
|  |  | | |
|  | Isotopic modeling of the sub-cloud evaporation effect in precipitation  **Salamalikis V.**, Argiriou A. A., Dotsika E.  *Science of the Total Environment 544 (2016) 1059-1072* | | |
|  |  | | |
|  | Periodicity analysis of δ18O in precipitation over Central Europe: time-frequency considerations of the isotopic ‘temperature’ effect  **Salamalikis V.**, Argiriou, A. A., Dotsika E.  *Journal of Hydrology 534 (2016) 150-163* | | |
|  |  | | |
|  | “Precipitation Isoscapes” and Isotopic Effects: Spatial insights through the Köppen-Geiger climate classification system  **Salamalikis V.**, Argiriou, A. A., Dotsika, E.  *Journal of Hydrology (under review)* | | |
|  |  | | |
|  |  | | |
| Software | ISOGRIDS (ISOtopic GRIdded Data rainfall Software)  <http://www-naweb.iaea.org/napc/ih/IHS_resources_sampling.html> | | |
|  |  | | |
| Awards | International Symposium on Isotopes in Hydrology, Marine Ecosystems and Climate Change Studies, Oceanographic Museum, Monaco, 27 March -1April 2011  Young Scientist Poster Award:  DEVELOPMENT AND EVALUATION OF A METHODOLOGY FOR THE GENERATION OF GRIDDED ISOTOPIC DATA SETS | | |