Name : Bachir Hakim
e-mail : [redacted] / [redacted]
Tel : [redacted]

CURRICULUM VITAE

Current Position

Researcher, Algeria's National Institut of Agronomic Research.
Address; 02, Av. Frères Ouaddek, BP 200, El Harrach, Alger, Algeria.
Qualifications

BAC Natural Science and Life, 1997.
Ingeneer Diploma, Agronomic Sciences, 2003.
Ingeneer Diploma, Rural Agricultural Water Management Engineering, 2004.
Magister, Rural Agricultural Water Management, 2011.
PhD, Rural Agricultural Water Management, 2018

Employment History

Engineer in Agronomic Sciences, National Institute of Soil, Irrigation and drainage, Departemant of Agrmeteorology 2004-2011.
Researcher, National Institute of agronomic research, Research Division in Bioclimatology and agricultural hydraulic, since 2011.

Professional Expertise

- Chairman of the cell Outreach and communication- National Institute of Soil, Irrigation and drainage.
- A leader in the National Development Committee of the cereal in Algeria from 2008 - 2011.
- A leader in the National Development Committee legumes 2010-2011.
- Consultant for the Engineering and consulting Agricultural office B.E.C.A, 2009-2010.
- Trainer engaged by Ministry of Agriculture and Rural Development.
-head of département of research results valorisation. INRAA
Research experience

- *Researcher in Arometeorology research team at Research Division in Bioclimatology and agricultural hydraulic;*
- *Head of an institutional project "Spatio Temporal Analysis of some climatic elements, in order to highlight the potential area in cereals."*

- *Member in the research project "Using isotopic elements for plant fertilization" in collaboration with The International Atomic Energy Agency (IAEA);*
- *Member in the EU research project "Strengthening of Food, Agriculture and Water related International Research Cooperation of Algeria F.P.7 FAWIRA Grant agreement n° 295088 running 2011 to 2014;*
- *Member in the EU research project " EU-MED Coopération to foster Innovation and Exploitation in the Agro-Food Domain F.P.7. CINEA" Grant agreement n° 609495, running 2013 to 2016;*
- *Member in the EU research project H2020 "Quintuple Helix approach to targeted open innovation in energy, water, agriculture in the south Mediterranean neighorood (5TOI_4 EWAS)" project fco-founded by Horizon 2020 framwork programme of the European union under grant agreement n° 692523;*
- *Algerian NCP for H2020 programm topic*
  - ✓ *sustainable agriculture and forestery,*
  - ✓ *food security*
  - ✓ *marine research, maritin and inland waters*
  - ✓ *Bioeconomy*
- *Trainer for the needs of the Arab Organization for Agricultural Development*
- *Member of PRIMA project "Boomrang".*
- *Participate to Submission of some projects in the framework of international cooperation programs.*

Research Interests

Agrometeorology, Climatic modelling, energy, Cereal Cropping Irrigation, Water Management For Agriculture.

Scientific publication

- *Larbi KIOUS,* ***Hakim BACHIR****., Rachid AMROUN, Madani DERAOUI (2010): Evaluation du programme national pour le développement de la céréaliculture par l'irrigation. Céréaliculture. 03 : 11. 22-30.*

- ***Hakim BACHIR****, Ahcene SEMAR, Karim OUAMER-ALI, Brahim MOUHOUCHE (2011): La cartographie numérique comme outil d'aide au développement durable des céréales en Algérie cas de la production de blé dur dans la région des Hauts Plateaux Est. Informations géo-spatiales : effets et impacts des changements climatiques en Afrique, ISCC11, Rabat, Maroc.*

- ***Hakim BACHIR ,*** *Ahcene SEMAR, Karim.OUAMER-ALI (2012) : Analyse comparative des précipitations annuelles en Algérie sur deux périodes différentes (1986-2007)/(1913-1939). Cas des hauts plateaux Est. 2ème Colloque International sur la Gestion et la Préservation des Ressources en Eau de l'Université Moulay Ismaïl (Faculté des sciences) de Meknès – Maroc10 au 12 Mai 2012.*

- ***Hakim BACHIR,*** *Ahcene SEMAR, Souheila Kezouh (2012) : Détection des changements hydroclimatique dans les plaines de l'Est de l'Algérie. Colloque international. Eau et climat regard croisé Nord/Sud, 25 au 26/09/2012, University of Rouen, France.*

- *Hakim BACHIR, Ahcene SEMAR (2013) : Utilisation de la géostatistique et la cartographie numérique pour reproduire les champs de pluies annuelles en Algérie. 4 th international congress - Water, Wast & environment Agadir, Maroco, 18 au 20 decembre 2013.*

- *Hakim BACHIR (2013) : La sécurité Alimentaire en Algérie. La sécurité Alimentaire dans les pays en voie de développement. Séminaire international, Université de Zhengzhou, 10/10/2013 au 06/11/2013.*

- ***Hakim BACHIR*** *(2014) : Amélioration du système de culture dans les exploitations céréalières en vue d'atteindre l'optimum rendement/qualité en conditions agropédoclimatiques spécifiques de l'Afrique du Nord (Cas de l'Algérie). Forum international Fawira, Alger, Algérie 16 et 17 Mars 2014.*

- ***Hakim BACHIR*** *(2015) : Amélioration du système de culture dans les exploitations céréalières en vue d'atteindre l'optimum en conditions agropédoclimatiques spécifiques. Forum international CINEA, 02 au 04/02/2015.*

- ***Hakim BACHIR****; Ahcene SEMAR; Azzedine MAZARI (2016) : Statistical and Geostatistical analysis related to geographical parameters for spatial and temporal representation of rainfall in semi-arid environments. Case of Algeria. Water Resource in Arid areas: The Way Forward, 13-16 march 2016. Mascat, Oman.*

- ***Hakim Bachir****, Ahcene SEMAR, Azzedine MAZARI (2016) : Statistical and Geostatistical analysis related to geographical parameters for spatial and temporal representation of rainfall in semi-arid environments the Case of Algeria. Arab jour geoscience. 9:7.*
  Doi: 10.1007/s12517-016-2505-8

- *Saida Sbargoud, Tarik Hartani, Abdellah Aidaoui, Farid Herda,* ***Hakim BACHIR****: (2017) Assessment of Groundwater Vulnerability to Nitrate Based on the Optimised DRASTIC Models in the GIS Environment (Case of Sidi Rached Basin, Algeria). Geosciences (Switzerland) 03/2017; 7(2):20., DOI:10.3390/geosciences7020020*

- *Smadhi, L Zella, H Bachir: (2017)Droughts in semi-arid cereal regions of Algeria. Journal of Applied and Fundamental Sciences 04/2017; 09(02):1063-1073., DOI:10.4314/jfas.v9i2.29*

- ***Hakim Bachir****, M'hamed Ait-Oubelli1 M, ElKholy R, Faten S, Daoud S, Sadegh S, Ibrik I, Gustavo Pérez G, Abdallah C, El-Hajj R* (2019) status of precision irrigation efficient technologies in mediterranean partner countries. 5 toi-4ewas. U.E H2020. Grant agreement n° 692523.

- *Semar A, Hartani T,* ***Bachir H*** *(2019) Soil and water salinity evaluation in new agriculture land under arid climate, the case of Hassi Miloud area, Algeria.* Euro-Mediterranean Journal for Environmental Integration. doi: 10.1007/s41207-019-0130-0.
- ***Hakim BACHIR****, Souheila KEZOUH, M'hamed AIT-OUBELLI, Ahcene SEMAR, Dalila SMADHI D, Karim OUAMER-Ali (2021)* Interpolation improvement using rain gauging station information and hydroclimate change comparing (1913-1938)/(1986-2016). Al-Qadisiyah Journal For Agriculture Sciences. 11 (01).
- ***Bachir H****, Ait-Oubelli1 M, ElKholy R, Faten S, Daoud S, Sadegh S, Ibrik I, Gustavo Pérez G, Abdallah C, El-Hajj R* (2019) status of precision irrigation efficient technologies in mediterranean partner countries. 5 toi-4ewas. U.E H2020. Grant agreement n° 692523.