

SUCCINCT CURRICULUM VITAE

Frst Name : Mosbah
Last Name : Ben said
Date of Birth : 13 January 1981
In : Lichana - Biskra
Nationality : Algerian
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Diplomas

- Primary School, Abed elbaki Maafi, Lichana-Biskra.
- Baccalaureate, Mechanical Engineering 2000. Bou Hamed Ferhat, Lichana-Biskra.
- Engineer in Hydraulic Science (engineering structures), in June 2005 Universty of Mohamed Kheider –Biskra-Algeria.
- Magister In Hydraulic, Urban water supply, facilities and Structures, in July 2008 Universty of Mohamed Kheider –Biskra-Algeria.
- Doctoral diploma in Hydraulic 2018 (Optimization of Spillway of Dams: P.K.WEIR and Labyrinth spillways).

Actual Position:

2009-present Researcher, CRSTRA Scientific and technical Center of
Researches of Arid Areas.

2006-present Member, Laboratory of Water ressources and Environement. (Study of
optimisation of labyrinth weir and P.K. Weir spillways). University of Med Kheider.Biskra.

Expertise

- Research and Study on physical and numerical models of hydraulic structures (Study of Optimization of Labyrinth weir and P.K. Weir spillways).
 - *Research and study of water related issues, such as streams managements, flood risk assecement, and hydrology, using field measurements and numerical modeling techniques, including Computational Fluid Dynamics.*

Research projsect

- *2009-2012. Analysis of flood vulnurability on the municipality of Doucen, Biskra. CRSTRA,*
- *2010-2012: Feasibility of biological purification of wastewater from the city of Touggourt by natural lagooning.*
- *2013-2015: flood risks management in the Bechar region*
- *2016-2019: flood risk management in the city of El-Bayedh*
- *2021-2024: Dam break Risk analysis and flood managemenr in the Biskra region.*

Communication

- **Ben said M**, Hafnaoui A, Fekraoui F, Hachemi Ali, Noui A; International Workshop on Risk Management major natural, organized by the CRSTRA in collaboration with the Euro-OPA. 04-06 December 2009.
- **Ben said M**, Hafnaoui A, Fekraoui F, Hachemi Ali, Noui A; flooding in the Sahara region, "case the area Doucen (Zibans) first week on the international agricultural water Saharan Africa (SNEAS) .05-06 May 2009.
- **Ben said M**, Hafnaoui A, Fekraoui F, Hachemi Ali, Noui A; Morphological and climatic factors and their impact on flooding Doucen (W. Biskra) (CRSTRA internal seminar) June 2010.
- **Ben said M**, The international conference on Labyrinth and Pino Key Weir (PKW 2011) (Study of optimisation of labyrinth weir) Liege, Belgium, 9-11 February 2011.
- Hachemi Ali, **Ben said M**, Hafnaoui A, Fekraoui F, Noui A, Madi M, Mghazi A ; utilisation des SIG pour l'étude de la vulnérabilité aux risques des inondations-Région Doucen-Algérie. Colloque REZAS12- Maroc. Novembre 2012.
- Hachemi Ali, **Ben said M**, Hafnaoui A, Fekraoui F, Noui A, contribution to the determination of geometric and morphological parameters of wadis in arid regions from digital models. CRSTRA internal seminar. 2011.CRSTRA. BISKRA.
- **Ben said M**, Hafnaoui A, Fekraoui F, Hachemi Ali, Noui A; floods in southern Algeria / case the wilaya of Biskra "and" presentation of the proposed vulnerability to floods "national week of scientific research, CRSTRA.2013.

- **Ben Said Mosbah**, Mohammed Amin Hafnaoui, Mohammed Madi, Ali Hachemi, AbderrahmaneNoui, HalimeMghezzi, Nora Bouchahm and YacineFarhi. floods in recent decades in arid and semi-arid regions. The 7th international conference on flood management.7th ICFM. Leeds 5 à 7 septembre 2017.
- **Ben Said Mosbah**, Ouamane Ahmed. Economical arrangement for flood management. The 7th international conference on flood management.7th ICFM. Leeds 5 à 7 septembre 2017.
- Mohammed Amin Hafnaoui., Ali Hachemi., **Ben Said Mosbah.**, Abderrahmane Noui., Mohammed Madi., HalimeMghezzi., Nora Bouchahm., YacineFarhi.Les inondations dans les régions arides causes et facteurs. 1^{er} 3G 8-9 Novembre 2017, Jijel.
- Hachemi Ali., Hafnaoui Mohammed Amin, **Ben Said Mosbah**, Madi Mohammed, NouiAbderrahmane, MghezziChaaAbdelhalim, Bouchahm Nora. FarhiYacine. GEOINFORMATIC APPLICATION FOR ASSESSING THE MORPHOMETRIC CHARACTERISTICS EFFECT ON FLASH FLOOD RESPONSE AT ARID AREA (CASE STUDY OF WADI DEFFA, EL BAYADH CITY, ALGERIA)., Submitted to “3rd International Symposium on Flash Floods in Wadi Systems, 5-7 December 2017, Muscat”.
- Mohammed Amin Hafnaoui, Mohammed Madi, Ali Hachemi, **Ben Said Mosbah**, AbderrahmaneNoui, HalimeMghezzi, Nora Bouchahm and YacineFarhi. Floods Risks in Saharan Regions - Case of Bechar City - Algeria -, Submitted to “3rd International Symposium on Flash Floods in Wadi Systems, 5-7 December 2017, Muscat”.
- **Ben Said Mosbah**, Ouamane Ahmed (2018). Experimental and theoretical estimation of the rectangular labyrinth weir capacity. The 1st International Conference on Dams. Biskra, Algeria, 12-13 December 2018.
- **Ben Said Mosbah**, Ouamane Ahmed (2022). NUMERICAL MODELING OF RECTANGULAR LABYRINTH WEIR FLOW USING OPENFOAM TOOLBOX. The 17th OpenFOAM Workshop Cambridge, United Kingdom 11-14 July 2022.
- **Ben Said Mosbah**, Ouamane Ahmed (2022). Discharge capacity of an improved form of labyrinth weir. International School of Hydraulics, KAŦY RYBACKIE. POLAND23-26 May 2023.

Publication

- Ouamane.A & **Ben said.M**. Economic conceptions of the labyrinth weir allowin the improvement of the management of floods and increases of the useful capacity of the reservoir. Rheinisch-Westfälische Technische Hochschule Aachen, Germany, pp 303-311. N° 158 ©2010 Shaker Verlag. January 2010.
- **Ben said M**. Ouamane.A. Study of optimisation of labyrinth weir. The first international conference on Labyrinth and Pino Key Weir (PKW 2011). Liege, Belgium, 9-11 February 2011.
- Hafnaoui A, **Ben said M**, Fekraoui F, Hachemi Ali, Noui A. Impact of climatic factors and morphological flooding in the region of Doucen.2011.
- Mohammed Amin Hafnaoui, Mohammed Madi, Ali Hachemi, Mosbah Ben Said, AbderrahmaneNoui, HalimeMghezzi, Nora Bouchahm and YacineFarhi. Floods

Risks in Saharan Regions - Case of Bechar City - Algeria -. Submitted to “3rd International Symposium on Flash Floods in Wadi Systems, 5-7 December 2017, Muscat”. (Conference Paper)

- Hachemi Ali., Hafnaoui Mohammed Amin, **Ben Said Mosbah**, Madi Mohammed, Noui Abderrahmane, MghezziChaa Abdelhalim, Bouchahm Nora. FarhiYacine. GEOINFORMATIC APPLICATION FOR ASSESSING THE MORPHOMETRIC CHARACTERISTICS EFFECT ON FLASH FLOOD RESPONSE AT ARID AREA (CASE STUDY OF WADI DEFFA, EL BAYADH CITY, ALGERIA)., Submitted to “3rd International Symposium on Flash Floods in Wadi Systems, 5-7 December 2017, Muscat”. (Conference Paper).
- **Ben Said Mosbah**, Ouamane Ahmed. Remodelling labyrinth weir geometry to increase performance. The international journal on Hydropower & Dams. Issue One, 2018.
- **Ben Said Mosbah**, Ouamane Ahmed (2018). The optimization of the labyrinth weir performance. Proceeding for Dam safety. 5th International Symposium on Dam Safety. Istanbul, Turkey, 27-31 October 2018.
- **Ben Said Mosbah**, Ouamane Ahmed (2018). Experimental and theoretical estimation of the rectangular labyrinth weir capacity. Proceeding of the 1st International Conference on Dams. Biskra, Algeria, 12-13 December 2018.
- **Ben said M**, Ouamane A (2022) Performance of rectangular labyrinth weir- an experimental and numerical study. Water Supply. <https://doi.org/10.2166/ws.2022.005>.
- **Mosbah Ben Said**. Mohammed Amin Hafnaoui and Mohammed Madi (2022). Numerical analysis of the influence of approach flow conditions on the efficiency of labyrinth weir. *Modeling Earth Systems and Environment*. DOI: 10.1007/s40808-022-01443-1.
- Mohammed Amin Hafnaoui, Mohammed Madi, **Mosbah Ben Said** and Benmalek Ahmed (2022). FLOODS IN EL BAYADH CITY: CAUSES AND FACTORS. Larhyss Journal, ISSN 1112-3680, n°51, Sept 2022, pp. 97-113.

Skills

- FreeCAD.
- Sketch up.

- OpenFOAM
- ParaView.
- QGis.
- HEC-RAS.
- HEC-HMS
- Linux manipulation
- Word, excel, power point.
- Minitab 15.
- Surfer.
- Flow 3D.
- Beginner ARCGIS.
- Internet Navigation.

Language

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| Arabic | Read, written and spoken | Perfect |
| French | Read, written and spoken | Good |
| English | Read, written and less spoken | Good |