

CURRICULUM VITAE

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Department of Mechanical Engineering Guelma 24000.

Written, read and spoken languages: Arabic, French, and
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TITLES AND DIPLOMAS

- Baccalaureate in Maths, June 1990, Lycée Mahmoud ben Mahmoud, Guelma.
- Engineer in Optics and Precision Mechanics, March 1996, Sétif University.
- Magister in Optics and Precision Mechanics, June 2000, Sétif University.
- Doctorate of Science in Optics and Precision Mechanics, University of Sétif, January 28, 2008.
- University habilitation in Mechanical Engineering at Guelma University July 2020.

EDUCATIONAL ACTIVITIES

- **January 2002 – October 2010:** Senior Lecturer Class B , Abd Elhamid Ibn Badis University of Mostaganem.
- **October 2010 -2020:** Senior Lecturer Class B, University 8 May 1945 Guelma.
- **2020 to date:** Senior Lecturer Class A, University 8 May 1945 Guelma.

Scientific productions

a- Chapter Book

1- **Boucherit, S.**, Bouamama, L., Zegadi, R., Simöens, S. Application of the fractional fourier transform to the restitution of the holograms of particles moving. 2008. AIP Conference Proceedings

2- Babouri, M.K., Ouelaa, N., Djebala, A., Djamaa, M.C., **Boucherit, S.** Prediction of cutting tool's optimal lifespan based on the scalar indicators and the wavelet multi-resolution analysis 2017. Lecture Notes in Mechanical Engineering.

3- Babouri, M.K., Ouelaa, N., Djamaa, M.C., **Boucherit, S.**, Hamzaoui, N. Prediction of Optimal Lifetime of the Tool's Wear in Turning Operation of AISI D3 Steel Based on the New Spectral Indicator SCG. 2019. Lecture Notes in Mechanical Engineering

b- Publications

1. **S.Boucherit**, L.Bouamama, H. Benchickh, J.M. lenoir & S. simoens" Three dimensional solid particle in a flow via multiangle off axis digital holography" Optics letter Vol.33, No, 18, September, 15, 2008
2. **S. Boucherit** L.Bouamama, R.Zegadi, & S. simoens" Formulation of off-axis single reference beam and two angle views for digital holography" J. Opt. 12 (2010) 035302 (5pp)
3. M.C.Djamaa, M.Khechana, et **S. Boucherit** « Application of short term fractional Fourier transform to identify both chatter and structural damage from cutting force signals » Australian Journal of Basic and Applied Sciences, 10(15) October 2016 Pages 60-67.
4. **S. Boucherit**, S Berkani, MA Yallese, A Haddad, S Belhadi. « Dry turning of X2CrNi18-09 using coated carbide tools: modelling and optimization of multiple performance characteristics » Mechanics 25 (6), 487-500 (2019).
5. **Septi Boucherit**, Sofiane Berkani, Mohamed AthmaneYallese, RiadKhettabi, Tarek Mabrouki « Modeling and Optimization of Cutting Parameters during Machining of Austenitic Stainless Steel AISI304 Using RSM and Desirability Approach » Periodica Polytechnica Mechanical Engineering 65 (1), 10-26 (2021).
6. Hamza Cherafa, Mohamed Athmane Yallese, **Septi Boucherit**, Salim Belhadi, Abdelkrim Haddad, Tarek. Mabrouki. « Experimental Investigation and Optimization of Output Responses During Dry Turning of PA66-GF30 Polyamid Using Taguchi Design » Journal of Manufacturing Technology Research 13 (3-4) (2021).