

## ***Curriculum Vitae***

**Name:** Sofiane BERKANI

**Rank:** Assistant Professor B

**Department:** Mechanical Engineering

**Email Address:** [sofiane.berkani@enp-constantine.dz](mailto:sofiane.berkani@enp-constantine.dz), berkanis246@Yahoo.fr

### **Educational Profile:**

- Doctorat Science, 08 Mai 1945 University GUELMA, Algeria
- Magister, 08 Mai 1945 University GUELMA, Algeria
- Engineering degree, 08 Mai 1945 University GUELMA, Algeria

### **Honors and Distinctions**

### **Scientific Activities & Membership of Scientific Societies**

### **List of Journal Publications**

1. S. BOUHRIT, **S. BERKANI**, M. A. YALLESE, R. KHATTABI, T. MABROUKI, Modeling and optimisation of cutting parameters during machining of austenitic stainless steel AISI304 using RSM and desirability approach, Periodica Polytechnica Mechanical Engineering. 65(1), pp10-26,2021.
2. S. BOUHRIT, **S. BERKANI**, M. A. YALLESE, A. HADDAD, S. BELHADI, Dry turning of X2CrNi18-09 using coated carbide tools: modelling and optimisation of multiple performance characteristics, MECHANIKA. 2019 volume 25(6): 487-500.
3. L. BOUZID, **S. BERKANI**, H. BENSOUILAH, M. A. YALLESE, F. GIRARDIN, T. MEBROUKI, Estimation and Optimization of Flank Wear and Tool Lifespan in Finish turning of AISI304 stainless steel using desirability function approach, International Journal of Industrial Engineering Computations, 9 (2018).
4. S. BOUHRIT, **S. BERKANI**, M. A. YALLESE, R. KHETTABI, Modelling of cutting parameters during turning of stainless steel AISI304 using RSM, 2<sup>nd</sup> international conference on materials and structural mechanics, MSM 2016.
5. **S. BERKANI**, L. BOUZID, H. BENSOUILAH, M. A. YALLESE, F. GIRARDIN, T. MEBROUKI, Modelling and optimization of tool wear and surface roughness in turning of austenitic

stainless steel using response surface methodology, 22ème congrès français de mécanique, Lyon 24 au 28 Aout 2015.

6. **S. BERKANI**, M. A. YALLESE, L. BOULANOUAR, T. MEBROUKI, Statistical analysis of AISI304 austenitic stainless steel machining using Ti(C, N)/Al<sub>2</sub>O<sub>3</sub>/TiN CVD coated carbide tool, International Journal of Industrial Engineering Computations, 6 (2015) 539-552.
7. B. FNIDES, **S. BERKANI**, H. AOUICI, M.A. YALLESE, S. DAFRI, Analysis of technological parameters through response surface methodology in machining hardened X38CrMoV5-1 using whisker ceramic tool (Al<sub>2</sub>O<sub>3</sub> + SiC), Estonian Journal of Engineering, 2012, 18, 1, 26-41.
8. B. FNIDES, M. A. YALLESE, **S. BERKANI**, Evaluation de l'usure des matériaux de coupe en tournage dure d'un acier pour travail à chaud, Le premier congrès international sur la mécanique avancée, Annaba, 23-25 Mai 2010.
9. B. FNIDES, **S. BERKANI**, M. A. YALLESE, S. BELHADI, J. F. RIGAL, Statistical models of technological parameters in machining X38CrMoV5-1 hardened to 50HRC using mixed ceramic (Al<sub>2</sub>O<sub>3</sub> + SiC), La première conférence internationale sur les mines et métallurgie CI2M'1, Annaba, 10-12 Mai 2010.

#### **List of Current Doctoral Research Students Supervision**

1. Yacine MAOUI
2. Haroune LAMRI