


CURRICULIUM VITAE

Name:	Abdul Jaleel Hamad Majeed.	
Place & Date of birth:	Iraq – Anbar 1/06/1971.	
Passport No.	A 10339007	
Marital status :	Married + 3 Child.	
Languages :	English, Russian & Arabic (Mother tongue).	
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■ **Qualifications:**

1. Bachelor in Mechanical Engineering,

University of Mosul,

Specialty: General Mechanics,

Graduation Project Title: Effect of Heat Treatment and cold working on properties of non-ferrous metals.

2. M.Sc. in Mechanical Engineering,

Technical National University,

Specialty: Machines Building Technology,

Master's Thesis Title: Research of Fractal Properties of the Micro relief of the Processed Surfaces.

3. Ph.D. in Mechanical Engineering.

Technical National University,

Specialty: Machines Building Technology,

Ph.D. Thesis Title: Increasing Tool Life by Improving Certain Mechanical Properties by Using combined finishing processes on spiral drills with vacuum ion-plasma coatings technology.

▪ **Educational Experiences:**

• **Undergraduate Studies (Bachelor)**

- Manufacturing Processes
- Materials Engineering
- Workshop Engineering

• **Postgraduate Studies (Master's Degree)**

- Advanced Manufacturing Processes (Machining) /1
- Advanced Manufacturing Processes (Forming) / 2

▪ **Memberships:**

- Bonafide Member of Oxford Academic Union (OAU).
- Member Educational Committee / Anbar University.
- Member of International union machine builders.
- Member of educational committee in Univ. of Anbar.
- Member of Iraqi Engineers Association.
- Member of Jordanian Society.
- Member of Arab Trainers Union.

▪ **Conferences and research:**

Participant with international conferences

- The International Conference of machine technology in Sevastopol scientific city on year 2009.
- Machine Technology Conference in Tunisia in 2008.
- Conference Scientific Zabarouja industrial city in Ukraine for the year 2009.
- Conference Scientific industry in Romania for the year 2009.
- Conference Technology superstar in Tunisia for the year 2009.
- The International Conference of machine technology in Sevastopol scientific city on year 2010.
- Machine technology Conference in Tunisia in 2010.

▪ **Published articles:**

1. Studying the Preheating Effect on Certain Mechanical properties of the coating layer by vacuum ion plasma coating./ Abdul Jaleel Hamad Majeed// Modern Mechanical Engineering, 5, 105-111. <http://dx.doi.org/10.4236/mme.2015.54010>.
2. Experimental researches of parameters of the technological process of combined finishing processing of H.S.S. drills/A.N. Mikhailov, Abdul Jaleel Hamad Majeed, L.N. Fenik, E.A. Mikhailova, Zantour Sahbi //Progressive technology Systems Engineering: International Collection. Scientific papers. - Donetsk: Donetsk National Technical University, 2009. Vol. 38 – P.143 - 149. (The author studied precision machining products on the machine) (in Russian).

3. Increase in productivity of the process of depositing vacuum ion-plasma coatings on spiral drills made of high-speed steel. // Abdul Jaleel Hamad Majeed, A.N. Mikhailov, L.N. Fenik, E.A. Mikhailova // Progressive Technologies and Systems Engineering International Coll. scientific papers. - Donetsk: DonNTU, 2010. Vol. 40. – P.126-130 (in Russian).
4. Some features of the synthesis of the structure of the processes of combined finishing processing of axial blade tools with ION-PLASMA COATINGS. / Abdul Jaleel Hamad Majeed, A.N. Mikhailov, Mikhailov DA, E.A. Mikhailova, / Progressive technologies and systems of mechanical engineering: International Sat. Scientific works. - Donetsk: DonNTU, 2009. Issue. 37, P.121-135(in Russian).
5. Estimation of the influence of the parameters of finishing operations on the micro-hardness of the surface layer of spiral drills/Abdul Jaleel Hamad Majeed, A.N. Mikhailov, L.N. Fenik, S.C. Enumakh // Progressive technology Systems Engineering: International Collection. Scientific papers. - Donetsk: Donetsk National Technical University, 2010, Vol. 39 - P.125 - 139 (in Russian).
6. Determination of the efficiency of the technological process of combined finishing processing of spiral drills made of high-speed steel / Abdul Jaleel Hamad Majeed, A.N. Mikhailov, L.N. Fenik // Scientific Labor Donets National Technical University. Series: Mechanical Engineering - Donetsk: Donetsk National Technical University. 2010. Issue 7 (166) - P.126-132. (The author studied precision machining products on the machine) (in Russian).
7. Peculiarities of synthesis of the structure of functionally oriented technological processes of combined finishing treatment of axial blade tools / A.N. Mikhailov, E.A. Mikhailova, Abdul Jaleel Hamad Majeed // High Machine Building: The collection of scientific papers NTU "CP". - Kharkiv, 2009. Ed.1 (18) - P. 131-150 (in Russian).
8. Particularities of the execution technologies ion plasma evaporations coating tools (in Russian).
 - a. <http://www.modtech.ro/papers.php>
9. Abdul Jaleel Hamad Majeed, L.N. Fenik , Matvienko A.V. Fractal dimension of surfaces processed by various methods. Engineer. Student's scientific and technical journal. - Donetsk: DonNTU, 2007. - No. 8- P. 159-162 (in Russian).
10. Modern technology of engineering and the problems of training engineering personnel // Collection of the II International Scientific and Methodological Seminar in Mahdia from October 30th to November 6th, 2008.-Donetsk: DonNTU, 2008 - P.99.(in French)
11. Some features of the synthesis of the structure of the processes of combined finishing processing of axial blade tools with vacuum ion-plasma coatings/Abdul Jaleel Hamad Majeed, A.N. Mikhailov, E.A. Mikhailova, D.N. Mikhailov // Progressive technology Systems Engineering: International Collection. Scientific papers. - Donetsk: Donetsk National Technical University, 2009. Vol. 37 - P. 121 – 135 (in Russian).

■ Patents:

1. **Patent number:** 48187 (51) IPC

Published: 10.03.2010

Inventors:

Abdul Jaleel Hamad Majeed,; Mikhailov Aleksandr Mikolajovych (UA); Mihaylova Olena Oleksandrivna (UA).

Abstract:

Device for rotation of core products in the vacuum chamber of ion-plasma plant contains a rotary shaft, on which fixed the face plate, made in the form of a carrier gear and is installed coaxially to the central gear wheel, fastened to the base of the vacuum chamber. The satellites are mounted circumferentially to the periphery of the carrier gear with the possibility of rotation, which satellites have openings for adjustment of rod products supplied with tooth

rims having a gearing with the tooth rim of the central gear wheel. The central gear wheel has at least two coaxial tooth rims of the different diameter, located in one or several planes. Satellites are mounted on the face plate on at least two circumferences of different diameter, the number of which equals to the number of tooth rims of the central gear wheel, in one or several planes, respectively. The tooth rims of satellites of each circumference have a gearing with the corresponding to their diameter tooth rims of the central gears wheel.

<http://base.ukrpatent.org/searchINV/search.php?action=viewdetails&IdClaim=142962&chapter=biblio>

2. Patent number: 99556

Published: 27.08.2012

Inventors:

Abdul Jaleel Hamad Majeed, Mikhailov Dmitry, Petryaeva Irina, Alexander Mikhailov.

Abstract:

Spiral drill that has elements of fastening and cutting portion containing the spiral grooves and two cutting edges with a radius of curvature of the cutting edge, characterized in that the radius of curvature of the cutting edge made variable in length main cutting edges, with radii of curvature of the main cutting edges on equal to the periphery of the drill: $RC = 0,004-0,005.R_c$, mm, where R_c - radius drill mm and radii of curvature at the edges.

<http://uapatents.com/5-99556-spiralne-sverdlo.html>

■ **Scientific Research Interests:**

- Studying the effect of finishing processes on element performance.
- Studying the effect of cutting parameters on tool life.
- Effect of changing conditions on Pack cementation processes.
- Studying the variables affecting the mechanical properties of coating layers.
- Studying the effect of external factors on the grains of casting material.
- Developing new methods to reduce effects of Corrosion.
- Developing some Composite materials by using different methods.
- Modifying some mechanical properties by using high magnetic field flux.
- Increasing performance efficiency by the combined mechanical processes.

■ **Additional Interests:**

- Reading: Philosophy, Sociology, Poem, alternative medicine.
- Writing: Different fields (Philosophy, Sociology).
- Hobbies: Meditation, Swimming, and shadow plants care.