# C. V.

**Name: Ramadhan Huseein Gardi**

**Surname: Gardi**

**Date of birth: 1/7/1969**

**Place of birth: Erbil –Iraq**

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**Nationality: Iraqi**

**Gender: male**

**Occupation or position held: *Assistant professor***

**Name and address of employer: University of Salahadin –College of Engineering, Mechanical Department, Erbil-Iraq.**

## Education:

***B.Sc. of Mechanical engineering from the university of Salahaddin _Arbil – Iraq July 1995.**

*** M Sc. In material science an applied mechanic from the University of Salahaddin –Arbil –Iraq in October 2002.**

*** Ph.D. D. in welding and corrosion from the University of Salahaddin-Erbil-Iraq in April 2024.**

## Research Interest:

**1. Relationship between the microstructure of different materials and corrosion behavior under different conditions and environments.**

**2. Mechanical and microstructural properties and corrosion resistance of dissimilar friction welding and friction stir welding.**

**3. Surface integrity study of stainless steels during burnishing**

**4. Friction stir spot welding of aluminum alloy.**

## Skills:

***General skills in research project management and data analysis.**

*** Undergraduate teaching skills in the fields of Technical drawing, mathematics, material since, Manufacturing, corrosion engineering, and corrosion prevention**

***Postgraduate teaching in the advanced corrosion engineering field.**

***supervising post-graduate student (Master): two**

**(Ramadhan Hussein Awla Gardi)**

**Publications and conference papers:**

**1. Effect of some metallurgical aspects on intergranular and pitting corrosion of stainless steel alloys SAF 2205 and SAF 2304, Stainless steel world, Vol. 15,Dec.2003, pp56-63 (Zuttfen –Netherlands).**

**2. The effect of heat input on pitting corrosion of AISI 316L stainless steel during MIG welding, Stainless steel world 2005 conference & expo proceeding,8-10 November 2005, Maastricht –Netherlands, pp73-76.**

**3. Effect of artificial aging time and temperature on tensile strength of duplex stainless steels SAF 2205 and SAF 2304 using ABI technique, Al-Rafidain engineering journal-Mosul University –Iraq Vol. 14 No.2 2006 pp.100-108**

**4. Effect of aging time and temperature on pitting corrosion of austenitic and duplex stainless steel, stainless steel World, Vol. 18 April 2006, pp56-59(Zutfen-Netherlands)**

**5. Effect of aging time and temperature on intergranular corrosion of aluminum alloy, Anti-corrosion methods and materials, Vol. 53, No 6, 2006, pp339-342. Great Britain.**

**6. Pitting corrosion determination of heat-treated duplex stainless steel SAF 2205 and austenitic stainless steel using the CPT method. www.stainless steel world .com, January .2006, Zutfen-Netherlands.**

**7. Effect of aging time a temperature on exfoliation corrosion of aluminum alloys 2024-t3 and 7075-T6, Materials and corrosion 2007, Vol. 58, No.5 pp345-347 Great Britain.**

**8. An overview on the corrosion behavior of duplex and austenitic stainless steel alloy, stainless steel world 2007 conference & expo proceeding 8-10 November 2007, Maastricht-Netherlands.**

**9. Effect of heat input on IGC of AISI 316L stainless steel during MIG welding, Stainless steel world 2009 conference & expo proceeding 10-12 Nov. 2009, Maastricht Netherlands.**

**10. Effect of higher solution annealing temperature on the abrasion resistance of duplex stainless steel SAF 2304, Stainless steel world, Vol. 22, pp38-41May 2010 (Zutfen-Netherlands)**

**11. Intergranular corrosion resistance and hardness of dissimilar stainless steels (SAF2205 and AISI 316L) weld. DSS 2010 conference &expo proceeding 13-15,pp265-273, October 2010, Beaune –France.**

**12. Evaluation of the abrasive wear and surface roughness of duplex stainless steel SAF 2304, Stainless steel world, Vol. 23,pp49-52 April 2011 (Zutfen-Netherlands)**

**13. "Mechanical and metallurgical properties of friction welded super duplex stainless steel SAF 2507" SSW 2011 conference &expo proceeding, 29 November-1 December 2011.Maastricht-Netherlanda.**

**14. Tensile strength determination of heat-treated austenitic stainless steel AISI 316L using the ABI method. Al-Rafidain Engineering Journal. Mosul University, Iraq.Vol.20, No.2,pp98-105, 2012.**

**15. Surface roughness of dissimilar friction welded (super duplex stainless steel SAF 2507-Mild steel) joints, Stainless steel world, Vol. 24, April 2012,pp45-53 (Zutfen-Netherlands).**

**16. Efficiency of dissimilar friction welded (super duplex stainless steel SAF 2507-Mild steel) joints. Al-Rafidain Engineering journal-Mosul University –Iraq Vol. 21 No.1 2013 pp.56-65**

**17. Surface roughness of super duplex stainless steel SAF 2507 during turning, Journal of the University of Duhok, College of Engineering, Duhok University, Iraq, Vol.18, No.1,**

**18. Study the effect of aging temperature and sliding distance on wear property of SDSS SAF 2507, Journal of University of Duhok, College of Engineering, Duhok University, Iraq, Vol.18, No.1,pp90-97**

**19. Effect of roller burnishing on surface roughness of austenitic stainless steel AISI 316L Journal of University of Duhok, Vol. 18, No.1 (Pure and Eng. Sciences), Pp 106-115, 2015**

**20 . Effect of roller burnishing tool pass on surface roughness of austenitic stainless steel AISI 316L, Vol 29, No 6,pp75-81.**

**21. Characterization of rotary friction welded AISI 304 steel joints, Anbar Journal of Engineering Science, Vol.8, Issue 4,pp299-307,2020.**

**22. Investigation of the microstructure and wear properties of AISI 304 steel friction weldment, Zanko Journal of Pure and Applied Science Vol 32, No., pp. 58-65,2020.**

**23. Wear resistance of 304 Austenitic stainless steel friction welded joints. Journal of University of Duhok, Vol .23, No.1,pp191-198,2020.**

**24. Study of Welding Dissimilar Metals – Low-carbon Steel AISI 1018 and Austenitic Stainless Steel AISI 304, Polytechnic Journal. 2020. 10(1): 1-5**

**25. Effect of Exfoliation Corrosion on the Mechanical Properties of Friction Stir Spot Welded 2024-T3 AA Joints, Hindawi, Advances in Materials Science and Engineering, Volume 2023, Article ID 9629740, 10 page https://doi.org/10.1155/2023/9629740**

**26. Publishing more than 45 short stories in Kurdish language in local presses.**