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Second Addenda to Criticism of the Current Science in the World

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Abstract: I have published a paper [1] in which I have mentioned some scientific problems of Iran. This article is as the second Addenda to that paper. I should mention here that the first Addenda was published as a paper in an international scientific journal [2]. As a result, it was concluded that Iran is (and I am) nothing and Iran (and I) will not become anything in the science. In this article, also a small part of my own scientific problems were reviewed. Finally, it was suggested that the only way for the scientific advancement of Iran in all fields is to regard Iran as a state of United State of America country.

Keywords: Science, Invention, Universities, Politics

Main Body of the Manuscript:

Voice of America (VOA Persian) has issued an article [3] that is in the same line with this paper. In fact, that article from VOA Persian confirms this paper. Also Eminent Crown Prince of Iran Reza Pahlavi has a saying from Atamalek Joveini about Iran Islamic Regime as "They came and dug and burned and killed and took away and went" [4] which approves this paper.

Currently, the science in access for all people (in public) is not all the produced science. Scientific institutions will never give access the public (for example in books, journals, internet, universities and ...) to all their produced science. A large part of discovered science is not revealed and is not given to the public access. Much care must be taken because this part of unrevealed science can be deadly. This has many reasons like commercialism and monopoly in the science, political reasons and security reasons...

In this paper and my previous articles [1, 2] I have mentioned only a small part of Iran scientific problem which Iran cannot solve them. As an Iranian, I cannot also solve them. If all the science was revealed to public, then Iran could start making inventions based on the revealed science and could improve in the science. Previously [2] I have said that Iran has not yet invented any steel to be mentioned in "Key to Steel" reference handbook. If the production maps for those steels were revealed to public, then Iran could also make improvements in their production methods and make inventions. When we see that a country like USA becomes superpower and a country like Iran is nothing, then it must be concluded that there are huge differences between their amount of sciences and this science is not revealed to public otherwise Iran would become a superpower like USA. If all the science was revealed to public, then it would be very easy for Iran to transfer all the science via a high speed internet from superpowers to Iran. All the scientific problems should be solved by politics. But Iranian university professors do not enter the politics and think that they can solve scientific problems by their little amounts of science. Scientifically Iran has nothing to say in the modern world. For example, UK had been a leading technology transfer country in 400 years ago who has transferred the technology of gun to Iran at the time of Shah Abbas Safavi. Even in 2018 Iran does not have any technology to transfer to other countries. UK has kept its role as a top technology transfer country even now and has lots of technology to transfer to other countries. Therefore, Iran will not become anything in the science.

I have published 3 ISI papers [5, 6 and 7] in American journals of "Journal of Materials Engineering and performance "from ASM International and journal of "Materials Performance" from NACE International. As I have previously said in my paper titled "Criticism of the Current Science in the World" [1], ISI papers have no value. As an example, I criticize these 3 papers. Briefly in these 3 papers by anodizing of Titanium and one of its alloys, the corrosion resistance was increased which was confirmed and measured using potentiostat device. Firstly, Anodizing is nothing new and was first used in 1923 which you can find lots of information about it in google.com and other books and references (I mean it is not a science that is not revealed to the public). You can find lots of information about these types of coatings. For example, during my study for MS degree for materials science, we had a course titled "surface engineering" in which many of these types of coatings like anodizing, sol gel, plasma spray coatings and etc. were introduced. Secondly the created coating on the metal was TiO_2 which was nonmetallic and non-conductive. Therefore, its corrosion resistance cannot be measured using potentiostat because it is nonmetallic and non-conductive. Thirdly Titanium is not a new discovery and was discovered in 1791 which you can find lots of information about it in google.com and other books. Fourthly the potentiostat device for corrosion test is not invented by Iranians and is imported to Iran and Iranians cannot even produce it. I should mention that my role in those 3 ISI papers was translator. I. e. I have

just translated those papers from Farsi to English. I should say that my English is also very weak. Also I am neither scientific nor technical at all. I am not (and will not become) anything in the science (like other Iranians as I told before [1, 2]). What's more, I am neither genius nor extraordinary at all. Furthermore, I am not wonderful at all. Also now a time many people in Iran (in fact the majority of Iran people) do political activities against Iran regime and for example we can see that there are many protests and demonstrations in Iran by Iranians against the Iran regime and government [8, 9]. Therefore, having political activity is nothing genius, extraordinary or wonderful at all. In general I am nothing. The ISI journals were more stupid than the authors of these papers who have published these bullshit contents. ISI paper is a production of science in which the consumer does not pay anything to the producer. All the download cost is given to the publisher of the paper. Even there are some journals who get money from the producer of the science to publish their papers. Production of ISI paper takes lots of time and has costs like laboratory materials and equipment, scientific personnel like university professor, tuition, internet, library, food, dormitory,

For example, I paid 150 US Dollars in 2015 to the Razi Metallurgical Research Center for the SEM (Scanning Electron Microscope) test in my thesis from which I extracted a paper for a journal. The title of my MS degree thesis was "Effect of Localized Coating Damage on Stress Corrosion Cracking Resistance of API 5L Grade B Steel". Instead if I produced dung of cow and donkey, then I would be given money. Now a time the producers of dung who grow cows, obtain money by producing and selling dung to the farmers. But no money is given to the producers of ISI papers. I.e. the value of dung is more than ISI paper. If I produced dung instead of ISI paper, then I would be in a better financial situation. I have previously said that universities are waste of time and in the case of Iran are established to make the people busy for them not to think of politics and government [1]. As a result, my MS degree thesis was waste of time and is not valuable. Briefly in this project, I studied the SCC corrosion behavior of API 5L Grade B steel in different areas of damaged coating and I concluded that by increasing the area of damage, the resistance to SCC increased. The important point is that in reality, buried pipelines will never corrode (and leak) due to damage of coatings. Firstly, because the coatings are inspected during and after application on pipelines by different methods like holiday detectors, visual inspection and … to detect and repair the damages of coatings (It is notable that NACE holds training programs for coating inspection at two levels of NACE CIP Level I and NACE CIP Level II internationally). Secondly, the coated pipelines are protected using cathodic protection to prevent the corrosion in damaged areas of coatings in pipelines (if there is a damage in pipeline coating). It is notable that NACE holds training programs for cathodic protection at 4 levels of NACE CP 1, NACE CP 2, NACE CP 3 and NACE CP 4 internationally. Thirdly, there are some methods like DCVG (Direct Current Voltage Gradient) to determine the coating damages, CIPS (Close Interval Potential Survey) and pipe to soil potential measurement to determine the effectiveness of cathodic protection systems. Fourthly, if there is a corrosion of pipeline due to coating damage, then it can be detected using intelligent pigging and then the coating and pipe will be repaired and it will not result in leakage. Therefore, you can see that my MS degree thesis was absurd, valueless and waste of time. It is notable that there is a book titled "Control of Pipeline Corrosion" authored by A. W. Peabody and published by NACE (National Association of Corrosion Engineers) first in 1967 which says that by application of coating and cathodic protection at the same time, the pipeline corrosion will stop. This book is very famous and is known and used internationally.

Conference papers are also waste of time and are not valuable. For example, I authored a paper titled "Hydrogen Induced Cracking Analysis of a Pressure Vessel Made of SA 516 Grade 70 Steel Using Phased Array Technology" in the 12th International Conference on Fracture held in Ottawa, Canada in 2009. Briefly in this article, I detected hydrogen induced cracking (HIC) by phased array technology device. Firstly, the failure mechanisms of oil industry equipment are discussed in details in standard of API RP 571 (Damage Mechanisms Affecting Fixed Equipment in the Refining Industry) and my paper does not give anything new.

Secondly, the truth is that the producers of this technology knew this fact that HIC can be detected by phased array technology and have built this device so that it can detect HIC. So you can see that nothing new is presented in this paper. Also neither Iran nor me can produce the phased array technology device. It was invented outside Iran and was imported to Iran. Thirdly, I used the simplified fracture mechanics principles to assess and evaluate the detected HIC which is not correct, reliable and accurate. Instead, there is a standard of API 579-1/ASME FFS-1 (Fitness-For-Service) which gives the correct, reliable and accurate procedure for assessment and evaluation of HIC.

I have published another conference paper in 13th Middle East Corrosion Conference & Exhibition held in Manama, Bahrain in 2010. It was titled "Studying the Performance of API 5CT-L80 Type 1 Steel in Tubings of Sour Gas Wells using HYSIS Software". Briefly in this paper, authors used HYSIS software to detect the dew point of water in the gas wells and see if there is corrosion due to the condensed water and other corrosive agents in the sour gas wells. It should be noted that the mostly corrosive agent of the sour gas is H_2S. But due to lack of laboratory instruments for H_2S corrosion test, the effects of H_2S was neglected. This is a severe error

since the major corrosive agent was H_2S (the concentration of H_2S in that well gas was 36000 ppm which cannot be neglected). Therefore, this paper is not useful, accurate and reliable at all. My role at this paper was just translator and I have just translated the paper from Farsi to English. You can see that Conference papers are waste of time and are not valuable.

Having ISI and conference paper is nothing genius, wonderful and extraordinary in Iran since many people in Iran have ISI and conference papers and we can see that Iran is standing on the 16th ranking in the world for the number of ISI papers [10]. Also having university degree is nothing genius, wonderful and extraordinary in Iran since many people in Iran have university degrees so that Iran is standing on the 2nd ranking in the world for the number of graduates in engineering and technical fields [11].

I have studied different aspects of the science in these papers [1, 2]. I am sure that scientists before Iran Islamic Revolution in 1979 have reached these findings who wanted to make Iran as a state from USA.

I was registering in international career websites for job. The jobs were classified according to the field of expertise. I saw the field of "design" in oil industry. Iran cannot do the design in downstream section of oil industry and instead does reverse engineering. I was glad since there were people with design expertise in these sites and Iran can send some employment advertisement in those websites and get designers and solve its design problems. For more information, I clicked on some of these design advertisement of employments and read their duties. The people whom they wanted were those who could work with AUTOCAD and PDMS softwares. I.e.

those who could do reverse engineering. But this is not the design. The design in oil industry is very complicated. Furthermore, one disadvantage of reverse engineering is that it is not up to date. The science of design advances like all other branches of the science. Design in oil industry is from the very old times and for example UK has done the design of Abadan Oil Refinery in 1912. The refineries are the most complicated part of the oil industry and are famous as the university such that working in refineries has lots of things to learn. Therefore, I got more assured that a large part of discovered science is not revealed to public and that the paper of "Criticism of the Current Science in the World" is true. The science of design in the oil industry is from that part of science which is not revealed to public which I said in that paper.

I should mention Professor Mohammad Jamialahmadi from Petroleum University of Technology in Iran with whom I had 2 courses of Physical Chemistry and Mass Transfer Operations. He is a university professor both in UK and Iran according to his resume [12]. During the period of 2 years with whom I had courses, he just repeated one point many times in public for all the students in the class as "a large part of discovered science is not revealed to the public". This matter was very heavy (difficult) so that nobody could understand it. After many years of experience in the oil industry, continuing education and doing research I could understand this matter and that I will not become anything in the science. I worked on this theory and accordingly I wrote an article titled "Criticism of the Current Science in the World" and its addenda. I do not want to continue education. It is enough for me. Higher education is not valuable because I will not become anything in the science [1]. My father who is a retired teacher says that universities are waste of time and in the case of Iran are established to make the people busy for them not to think of government and politics and that universities prevent and stop progress.

In my field (inspection and corrosion in the oil industry), one does not need to go to university to be able to do the jobs of industry at the level of Iran since by working in the industry and obtaining experience one can do the industrial jobs of corrosion and inspection in the oil industry.

Monopoly in the science can be seen in Iran also. By monopoly the following files were in hands of the heads of mafia bands and they did not give them to others for many years. But now the conditions have become better and some internet websites [13, 14, 15, 16, 17] in Iran have put these files free for download and everybody can download them. I mean that having these files is nothing extraordinary, wonderful or genius in Iran since many people have them.

- AWS Welding Handbooks (All Volumes)
- Specifications of the projects
- NACE CP1, NACE CP2, NACE CP3, NACE CP4,
- NACE CIP I, NACE CIP II
- ASNT NDT HANDBOOKS (Volumes1 to 10)
- ASM Metals Handbooks
- Products catalogues of companies that produce welding filler metals like BOHLER, ESAB, LINCOLN, …
- Publications from AWS, ASME, API, NACE, AWWA, NFPA, ASTM, TEMA, SSPC (SPC), ABS, AAR, AASHTO, AISC, AREA, NBBPVI UBPVLS, FED, PFI, SAE, UL, MSS SP, ASNT, ISO, …...

It should be noted that Iran is under the sanctions of USA and therefore USA scientific organizations do not hold training programs in Iran after Iran Islamic revolution in 1979. Examples of these scientific organizations which hold training programs worldwide are:

- NACE International (National Association of Corrosion Engineers)
- ASM International (American Society for Metals)
- ASME International (American Society for Mechanical Engineers)
- AWS (American Welding Society)
- SSPC (Society for Protective Coatings)
- API (American Petroleum Institute)…

I have previously said that Iran has not yet invented any welding filler materials [2]. Welding filler materials should be standardized according to the national and international scientific organizations like BS, DIN, EN, AWS … (since they are sensitive) and must be produced and used internationally and nationally in a large scale to be valuable. If Iran could invent a welding filler metal, then there must be its standard and we can see that Iran does not have any standard for its invented welding filler materials. Those inventions which are standardized according to national and international scientific organizations make money and are for sale and are not expository only. Other types of welding filler metals inventions which are not standardized have no scientific value. Furthermore, these inventions of standardized welding filler metals make money and are for sale and are not expository only. I have previously said that a large part of discovered science is not revealed to public [1]. Therefore, we can see that Iran cannot produce the metal for the production of welding filler materials and they are imported to Iran [18]. These metals are standardized according to AWS and other international scientific organizations. In the factories in Iran who produce welding filler materials, these metals which are imported to Iran are then covered with coatings to produce the welding filler materials. It should be noted that welding filler materials have a long time history and for example, the standard of AWS A5.4 (Specification for Stainless Steel Electrodes for Shielded Metal Arc Welding) was first published in 1946. Therefore, we see that Iran will not become anything in the science.]

I have previously said that Iran has not yet invented any industrial coatings (and linings) [2]. The industrial coatings inventions must make money and must be produced and used internationally and nationally in a large scale to be valuable (like the products of companies of AKZO NOBEL, PPG, THE SHERWIN WILLIAMS, AXALTA COATING SYSTEMS, BASF COATINGS, DENSO, POLYKEN, BELZONA, NIPPON PAINT HOLDINGS CO., ZINGA, DUPONT, RPM INTERNATIONAL and etc. (For more information, see the list of top 78 coating companies of the world in internet [19]. This ranking (article) is up to date (2018) and is done and published by an international, famous and valid website in the field of coatings [20]. Then It will be understood that none of these top 78 coating companies is Iranian since the listing gives the country of each company). Otherwise inventions of industrial coatings which are not used and produced in a large scale, are not valuable and useful. Furthermore, these inventions of coating by these companies make money and are for sale and are not expository only. Iran has not yet invented such an industrial coating to make money and to be produced and used internationally and nationally in a large scale. Therefore, again we see that Iran will not become anything in the science. The factories in Iran which produce industrial coatings, import many of the components of those coatings.

In my 2 previous papers [1, 2] I have mentioned some scientific problems of Iran which Iranians cannot solve them. One reason was because a large part of discovered science is not revealed to public. If it was for the Iranians to reach to that level of science to solve them, then they would certainly reach those sciences yet since many of them are very old (for example the design of oil refinery which returns to 106 years past).

Iran has not yet invented any tools (including advanced NDT tools) for inspection in the oil and gas industry. Since Iran is under the international sanctions in oil and gas, then Iran cannot (or can with difficulty) import many of these inspection tools (specially advanced inspection tools like intelligent pigs). Even the international companies who offer advanced NDT inspection (like intelligent pigging) are not allowed to work in Iran due to these sanctions. The international sanctions against the Iran oil industry has made many difficulties for Iran.

Iran has not yet invented any tools for materials characterization which I have mentioned in my previous paper [1]. Again I say that inventions must make money and must be produced and used internationally and nationally in a large scale to be valuable. Otherwise inventions which are not used and produced in a large scale, are not valuable and useful and are not valuable to be mentioned. Again we see that Iran will not become anything in the science.

The only way that I strongly suggest for the scientific advancement and development of Iran in all fields is to make, regard and announce Iran as a state of USA (United States of America) officially and politically (and totally). I.e. Iran should make and regard itself as a state of USA (United States of America)

politically (and totally). I have heard that this idea was first suggested by Eminent Mohammad Reza Shah Pahlavi for Iran.

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