



2020 Market Analysis on 19th International Conference on Electrochemistry | May 25-26, 2020 | Rome, Italy

Dr. Alireza Heidari

Full Distinguished Professor and Academic Tenure of Chemistry & Director of the Bio Spectroscopy Core Research Laboratory at Faculty of Chemistry, California South University (CSU), Irvine, California, USA & President of the American International Standards Institute (AIS) Irvine, California, USA, E-mail: scholar.researcher.scientist@gmail.com

Market Analysis

The global [Electrochemical](#) Instruments Market is segmented on the basis of products, technologies, end users, and regions. Electrochemical Instruments market worldwide is projected to grow by US\$819.3 Million, driven by a compounded growth of 4.9%.

The global electrochemical instruments market for the forecast period of 2014 to 2020. This market is expected to reach \$2,205.9 Million by 2020 from \$1,713.0 Million in 2014, at a CAGR of 5.2% during the forecast period (2014 to 2020). [Electrochemical](#) Instruments Market is expected to reach \$2.2 Billion by 2020. The automotive sensors market, in terms of value, is expected to grow from USD 22.94 Billion in 2016 to USD 36.42 Billion by 2023, at a CAGR of 6.71% between 2017 and 2023. The smart sensor market is expected to grow from USD 18.58 Billion in 2015 to USD 57.77 Billion by 2022, at a CAGR of 18.1% between 2016 and 2022. The global battery market is projected to grow at a CAGR of 4.15% to reach a market size of 17.26 Billion by 2021. The Global Graphene Battery Market size is projected to reach \$115 million by 2022, growing at a CAGR of 38.4% during the forecast period (2016-2022). The Global Lithium-Ion Battery Market size is expected reach \$46.21 billion by 2022, with a CAGR of 10.8% during the forecast period (2016-2022). The global lead acid battery market is expected to surpass US\$ 58 Bn in 2020, up from US\$ 48.8 Bn observed in 2015. The global corrosion protective coatings market is expected to reach USD 28.02 billion by 2024. The global corrosion protective coatings market demand was 5,821.3 kilo tons in 2015 and is expected to reach 10,196.6 kilo tons by 2024, growing at a CAGR of 6.4% from 2016 to 2024. The electrochemical sensors market is expected to grow to USD 8.35 billion by 2021 at a CAGR of 7.97% over the period 2016-2021. .

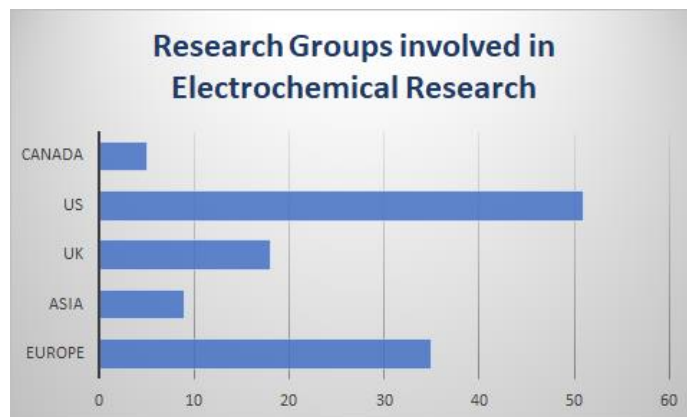
Extensive primary research is being conducted among leading companies such as Some of the major players in the global [Electrochemical](#) Instruments Market include Hanna Instruments, Inc. (U.S.), Metrohm AG (Switzerland), Xylem Inc. (U.S.), METTLER-TOLEDO

International, Inc. (U.S.), DKK TOA Corporation (Japan), Danaher Corporation (U.S.), Endress+Hauser AG (Switzerland), Thermo Fisher Scientific, Inc. (U.S.), Yokogawa Electric Corporation (Japan), and Horiba Ltd. (Japan), among others.

On the basis of regions, the market is divided into North America, Europe, Asia-Pacific, and the Rest of the World (Row). The Rest of the World region comprises Latin America, the Middle East and Africa. In 2014, Europe accounted for the largest share of the [Electrochemical](#) Instruments Market, followed by North America, and Asia-Pacific. According to a new market research report "Electrochemical Instruments Market by Product (Electrochemical Meters, Titrators, Ion Chromatographs), by Technology (Potentiometry, Coulometry, Voltammetry), by End User (Environmental Testing, Food & Agriculture) - Analysis & Global Forecast to 2019", published by MarketsandMarkets, the Electrochemical Instruments Market is expected to reach \$2,205.9 Million by 2019 from \$1,713.0 Million in 2014, at a CAGR of 5.2% during the forecast period 2014 to 2019.

Importance & Scope: [Electrochemistry](#) is the study of chemical processes that cause electrons to move. This movement of electrons is called electricity, which can be generated by movements of electrons from one element to another in a reaction known as an oxidation-reduction reaction. The importance of electrochemistry is undeniable we literally cannot live without electrochemistry for proper cell function and transmission of signals through the nervous system. [Electrochemistry](#) is also vital in a wide range of important technological applications. For example, batteries are important not only in storing energy for mobile devices and vehicles, but also for load levelling to enable the use of renewable energy conversion technologies. Electrochemistry is involved in the production of materials by electro refining or electro deposition as well

as the destruction of materials by corrosion. [Electrochemistry](#) is also used for the treatment of water. Target Audience: With members from around the world focused on learning about Electrochemistry, Physical chemistry, Corrosion chemistry this is your one of the best opportunity to reach the largest assemblage of participants. Conduct presentations, disperse information, knowledge to meet with current and potential speakers, make a sensation with a new product line, and receive name recognition at this 2-day event. World-renowned speakers, the most recent techniques, tactics, and the newest updates in fields are hallmarks of this conference.



Related Companies and Industries:

- Bloom Energy. Listed Company. Founded 2001.
- Centre for Process Innovation Limited (CPI) - National Centre for Printable Electronics. n/a. Founded 2014.
- Form Energy Bloom Energy. Listed Company. Founded 2001.
- Centre for Process Innovation Limited (CPI) - National Centre for Printable Electronics. n/a. Founded 2014.
- Form Energy. Private Company.
- Oceanit. n/a.
- SPEC Sensors. Private Company.
- H2GO Power. Private Company.
- Physical Sciences Inc. Private Company.

Related Associations and Societies: The Electrochemical Society

- International society of Electrochemistry
- Italian Chemical Society
- Indian society of Electro Analytical chemistry
- Bio electrochemical Society
- Fuel Cell & Hydrogen Energy Association
- European Federation of Corrosion: EFC
- World Corrosion Organization
- Corrosion Association Singapore
- Indiana Corrosion Society (ICS)
- American Chemical Society
- Biochemical Society
- Canadian Society for Chemical Technology
- European Association for Chemical and Molecular Sciences
- Faraday Society
- Hungarian Chemical Society
- Royal Society of Chemistry



Journal of Electrical & Electronic Systems

Dr. Heidari A, Electrochem 2019, 8:3

ISSN: 2332-0796