

ABBREVIATED RESUME - A. JAMES ATTAR, Ph.D.

Presently: President and CEO of:
Appealing Products, Inc. (www.Appealingproducts.com) and its affiliates,
www.ChemSee.com and www.ChemSee-Foods.com.
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EMPLOYMENT.

Present Occupation

- President of **Appealing Products, Inc.**, (API), a high-technology research and development company. Conducting high technology research on detection and decontamination of toxic materials and explosives. www.Appealingproducts.com. The marketing arms of API are:
 - www.ChemSee.com. Which focuses on detecting toxic gases, decontamination of toxic materials, detecting traces of explosives, detecting poisons in food, detecting toxic chemicals and adulterants in food,
- Technical consultant in specialized decontamination problems, chemical and Electronic Sensors, Materials, Polymers, Surface Modifications, Membranes, Forensic Products, Polymers chemistry and utilization, membranes

Founder, President, Director of Research and Director of Marketing.

ChemSense Inc. ((CMS). And Appealing Products Inc.

President, Coal Gas Inc. 1980-1985.

President, Optichem Technologies Inc. 1985-1986.

President, Perfect View Inc. (PVI) (Contract Research and Development)

Professor of Chemical Engineering.

- North Carolina State University, Raleigh, NC, 1980-1983.
- University of Houston, Houston, Texas, 1976-1980.

EDUCATION.

- Ph.D. in Chemical Engineering. Minor in Environmental Engineering. **Caltech, Pasadena, CA.** 1977. With High Honors.

INVENTION OF U. S. PATENTS.

- End of Service and Residual Life Indicator for Gas Masks Filters. US Patent No. 7503962 March 17, 2009. In negotiations for licensing.
- Irreversible Humidity Exposure Dose Indicator Device. US Patent 7553450, June 30th, 2009.
- Patents related to the detections of toxic gases and to the measurement of exposure of people to toxic gases. Inventor: A.J. Attar. Numbers 4,666,653 and 4,772,560
- Electronic instrumentation using coded sensor cards, Reflective Photodetectors and CPUs in conjunction with a database for routine and episodic documentation of exposure of personnel to toxic gases.
- Polymer films coatings. Thin coatings. Fluoropolymers chemistry. Etching of surfaces of polymers and metals. Methodology for investigation of surfaces.
- Patents related to cleaning of coal to prevent acid rain: Inventor: A.J. Attar. Numbers 4,465,493 and 4,597,769.

- Two patent applications on issues related to fluoropolymers surfaces are pending. Application No. Ser. No.: 09/458,934 and Application No. 09/734,376.
- Patents on novel instrumentation and technology for the **detection of warfare chemicals**. Dr. A. J. Attar, Inventor. Serial Numbers 07/504,250, mustard gas. 07/429,929, nerve agents. Other patent applications are pending.
- Anti-icing nano layers United States Patent Application 20090294724

Seven US patents are now pending in relation to:

- Detection of poisons in food using tabs. (Funded by the US Government, via TSWG).
- Detection of poisons in food using pouches. (Funded by the US TSWG-With D. Stark).
- Detectors for Liquid Explosives and liquid precursors of explosives. (With D. Stark).
- Surface coatings which prevent icing of aircraft. (Work was funded by the National Science Foundation, The British Dept. of Defense via a subcontract with Elbit/Silver Arrow. There are negotiations with the US Air Force relative to participating in this project).
- Detectors for pergolic mixtures used in missiles and the F-15 jets.
- The Use of RFID's in Tracking lost people.
- A super Sensitive Detector for Methyl Bromide and Other Halo-Compounds.
- Seven patent applications are in preparation:

BUSINESS EXPERIENCE.

- Planned and executed projects from research level to production and marketing including establishing national and international distribution networks.
- Prepared business plans and recruited venture capital. Started several small businesses.
- Wrote proposals and obtained money for over 25 research projects.

TECHNICAL AREAS OF EXPERTISE.

- Gas Dosimetry.
- Detection of Contaminants in water.
- Warfare chemicals detection and decontamination. (Substantial amount of work with the US AF, Contract F-33657-88-C-2029).
- Pesticides and Insecticides Chemistry and Manufacturing.
- Thin layers and nano-films.
- Polymers surface modifications. Polymers membranes.
- Explosives Detection.
- Poisons Detection.
- Sensors and Detectors and related instrumentation.
- Thin polymeric films and reactions in thin films. Nano layers. Gas surface reactions. Modifications of surfaces and measuring their reactivity.
- Detection of traces of toxic gases, including warfare chemicals.
- Statistical analysis and its applications in QC and QA.

PUBLICATIONS.

- **Over 60 articles in technical magazines, mainly peer reviewed articles.** (A list can be made available).
- Co-authored two books. Coal Science and Coal Analysis. Published by Academic Press.
- Just completed writing a700 pages of instructions relative to teaching forensics and use of forensic products.
- Wrote over 7,000 pages of technical reports on different subjects, including instrumentation and the detection of toxic gases and warfare chemicals coal cleaning oil desulfurization, recycling and other subjects.