

Bio

Joseph A. Dallal, L.C., M.Sc.

Joseph Dallal got his start in his Mother's Beauty Salon, teething on Perm Rods and Clippies, as well as studying Anatomy and Physiology with his dad, a researcher in non-invasive Chiropractics. He started cooking for the family at 12 years old and made perms and shampoos at 17 years old, in their Salon Dispensary. After passing the State Board exams and receiving his Cosmetology License, he worked his way through College at Southwest Texas State University, with a double major in Anatomy and Physiology, and in Chemistry 1975, followed by a Masters in Chemistry, with a thesis in Enzymatic Inhibition of Protein Synthesis by a Plant Extract, *Phytolacca Americana* (Thank you Dr. James Irvin) 1981.

His first industry job was at Redken in California 1978, followed by Zotos/Shiseido 1984 in Connecticut, then GAF/ISP/ASI in 1993 (22+ yrs as Sr. Mgr. Technical Services for Personal Care).

Extra Curricular Experience: Active Member of Society of Cosmetic Chemists (SCC): member since 1978, Chair for the Ct. Chapter, Area I Director, COCA Committee Chair, CEP Committee Chair, and National President 2012; National Cosmetology Association/PBA member since 1971: President of Stamford, Ct Affiliate; Author and Co-Author of 2 Textbook chapters (Chemistry and Physics of Hair Styling Products and Techniques); Awarded 2 patents (Striped 2-Phase Styling Gel; Cationic Impregnated Non-Woven Conditioner).

Mr. Dallal currently spends most of his time traveling, presenting to Chemists, Engineers, Biologists, Microbiologists, Marketers, and Entrepreneurs on how to create innovative products. ASI is a major producer of ingredients (Primarily Polymers, Emollients/Esters, Preservatives, Peptides: thank you Dr. Patrick Cassidy) for many industries. His team makes/synthesizes Molecules and Creates/Formulates prototypes, develops Claim Substantiation Methods, subjects all to Accelerated Stability and Preservative Efficacy, Develops Presentations and Brochures, Specifications, Scale-Up, Patents and Publishes Articles in Technical and Trade publications, as well as create/deliver Presentations at all the Key industry Companies, Trade Shows, and Technical Symposiums.

Pastimes: Eating, Cooking, Gardening, DIY, Brainstorming, email



https://www.google.com/?gws_rd=ssl#q=phytolacca%20americana

Abstracts

Commercialization Forum

What does a Technical person do at some of the most famous, cutting-edge movers and shakers companies that focus on Hair and Skin Care?

How did I get my first Job?

What did I do during my transition periods at my three career jobs?

Which SWTSU Classes/Programs contributed to my Creative and Business Success?

What was the biggest Game Changing event that had the most profound effect on my career and life?



1988



2009



2013

Transitions along Accelerated Environmental Exposure

Material Science, Engineering, and Commercialization Ph.D. Program Seminar

The Hair and Skin are complex chemical and physical structures that are our first defenses to the environment. They are not just for adornment. They are very dynamic biomechanical tissues, not only due to their rapid rate of growth, but due to their intense responses by tissue most people consider totally dead. Unfortunately, we expose the Skin and Hair to intense chemical, radiant, and mechanical stresses.

Consumers apply a myriad of concoctions and manipulations to the skin and hair, just to the surface, as cosmetics. Of course, with current analytical procedures, we know that these basic age-old processes, even applying water, affect many layers and internal structures of the hair and skin, as well as create all kinds of cellular responses within the skin. Through methods such as Zeta Potential, DSC/T_g, DMA, Confocal Raman FTIR, Conductivity/Impedance, VisioFace, HHCR, HC, A_w, Immunofluorescence, Stereomicroscopy, SEM, TEM, Dielectric Constant, Instron/Diastron, Tensile Strength, Coacervation, Laser Particle size analysis, etc, etc. we can visualize and quantify many of the changes and effects.

Chemist Formulators, Engineers, etc. create various textures and visual effects for products we use that make products possible to stay in a bottle/jar/aerosol can, dispense from the container, disperse on to the specific tissue substrate, create measurable visual and/or chemical changes in that particular tissue, which last minutes to hours to years; always fighting the laws of nature/chemistry/physics to give consumers products that are stable and safe to use.

Let's discuss various components and methods used to create and quantify effects.

<http://www.cosmeticsdesign-europe.com/Formulation-Science/Nivea-aims-to-increase-sun-protection-awareness-with-UV-imaging-video>

www.sconline.org

www.Ashland.com

<https://www.ulprospector.com/en/na/PersonalCare>