

YIYONG HE

Innovative ceramic engineer specializing in product research & development.

SKILLS

Glass composition design

Microsphere manufacturing

Product optimization

AREAS OF EXPERTISE

Biomaterials

Optical Glass

Synthetic porous materials

EDUCATION

MS, Ceramic Engineering, 1990, University of Missouri Rolla

BS, Ceramic Engineering, 1982, East China University of Science and Technology

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PROFESSIONAL EXPERIENCE

SAJ SCIENCE GROUP 2013-present
Co-owner

Provided glass engineering services, including computer modeling applications.

MO-SCI CORPORATION 2005-2013, 1990-1997
Senior Research Engineer

Developed the following products:
Fluoride glass for dental filler composite applications.
Silver phosphate glass for antibacterial applications.
Synthetic porous HA for heavy metal absorption.
Porous Vycor glass for space shuttle insulation coating.

CHINESE LANTERN RESTAURANT 1994-2004
Owner

Set up business and managed 8 employees for 8 years.
Brought in \$700,000 of annual revenue.

SHANGHAI COLORED OPTICAL GLASS WORKS 1982-1988
Deputy Director & Research Engineer

Researched and developed colored optical glass filters.

GRANTS

Nordion Lab, Preparation of Strontium Phosphate Microspheres for On-Site Delivery of Yttrium-90, 2008.
Developed second generation liver cancer therapy platform.

NIH, Nonstructural Dental Composite Restorative Materials, June 2011. Developed an unconventional microspheres manufacturing technique.

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