



## Position Opening

**Job Title:** Dispersion Chemist

**Company:** XG Sciences, Inc., R&D Department

**Location:** Lansing, Michigan

XG Sciences (XGS) is seeking a Dispersion Chemist for a full-time position to assist in the research and development of graphene-type material-based dispersions, inks, paints, coatings, films, and composites for a variety of applications in printed electronics, energy storage devices, thermal management systems, and functional structures.

### Job Function:

- Develop dispersion methods and build database for graphene nanoplatelet products.
- Design testing protocols and develop SOPs.
- Assist in product/process development and validation.
- Provide technical support for customer adoption of XGS' products as a technical liaison and applications specialist.
- Generate new product ideas together with XGS' marketing and research teams.
- Participate in ink formulation or materials design.
- Supervise lab technicians.
- Conduct technical presentations at customer sites, conferences, and/or exhibitions.

### Qualification Requirements:

- Master's or PhD degree in Chemistry, Materials Science, Chemical Engineering, or related fields.
- >5 years direct research and development experience in ink and dispersing technologies.
- Expertise in selecting appropriate surfactants/dispersants/grinding resins as well as applying surface modifications including organic functional groups and metal nanoparticles.
- Expertise in ink formulations (gravure, flexography, screen, off-set, and ink-jet inks), mixing techniques, rheology, slurry handling, and conventional printing/coating as well as 3D printing techniques.



- Ability to use conventional analytical instrument such as Rheometer, DSC, TGA, XPS, XRD, Raman, FT-IR, Microscopes, Potentiometer, and Permeability tester.
- Good verbal and written communication skills in English.
- Experience in interacting with customers, suppliers, and collaborators.
- A team player with good interpersonal skills.

**About XG Sciences:**

Established in 2006 as a spin-off from Michigan State University, XG Science is a global leader in manufacturing graphene nanoplatelets with a 25,000 ft<sup>2</sup> production facility and a 14,000 ft<sup>2</sup> R&D lab. In addition to graphene nanoplatelets, XG Sciences is developing value-added products including Si/graphene composite anode for Li-ion batteries, graphene-based sheet products for thermal and electric applications, and conductive inks for printed electronics and other industries. The company is currently employing more than 30 people and has more than 600 customers in 37 countries. Sciences offers competitive compensation and a complete benefits package which includes medical and dental coverage, 401(K) plan, and paid time off for holidays and vacation days.

**Contact:**

Please fax or email resume and cover letters to:

517-703-1113

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