ISSN: 2161-7554



New Journal of Glass and Ceramics



Journal Editorial Board

ISSN Print: 2161-7554 ISSN Online: 2161-7562 https://www.scirp.org/journal/njgc

Editor-in-Chief

Prof. Emad Ewais Central Metallurgical R&D Institute (CMRDI), Egypt

Editorial Board

Dr. Claudia BelvisoThe Institute of Methodologies for Environmental Analysis, Italy

Dr. Nikolaos Bouropoulos University of Patras, Greece

Prof. Andrew E. Burns Kent State University Stark Campus, USA

Dr. Luís Antônio S. de A. PradoTechnische Universität Hamburg-Harburg, GermanyDr. Anirban DharCSIR-Central Glass & Ceramic Research Institute, IndiaProf. Aswini GhoshIndian Association for the Cultivation of Science, India

Prof. Michael T. LanaganPenn State University, USADr. Hong LiPPG Industries, Inc., USAProf. Ji-Guang LiNortheastern University, China

Dr. Bouzid Menaa Fluorotronics, Inc, USA

Dr. Nelcy Della Santina Mohallem Universidade Federal de Minas Gerais, Brazil

Dr. Faik Nuzhet Oktar Marmara University, Turkey

Dr. Dinesh Pathak University of Pardubice, Czech Republic

Dr. Mukul Chandra Paul Central Glass & Ceramic Research Institute, India

Prof. Zhijian PengChina University of Geosciencs, China

Dr. Gary R. Pickrell Virginia Polytechnic Institute and State University, Germany

Dr. Liudvikas PraneviciusVytautas Magnus University, LithuaniaProf. Giancarlo C. RighiniNational Research Council, ItalyProf. Sylwester Janusz RzoskaPolish Academy of Sciences, PolandProf. Boris SuboticRuðer Boskoviæ Institute, CroatiaProf. Maria SuszynskaPolish Academy of Sciences, PolandProf. Kulwant Singh ThindGuru Nanak Dev University, India



ISSN Online: 2161-7562 ISSN Print: 2161-7554

Table of Contents

Volume 11	Number 2	April 2021
Effect of SrO on Glass System	the Structure of Apatite and Wollastonite	Phases of Na ₂ O-CaO-SiO ₂ -P ₂ O ₅
G. El Damrawi, R	. M. Ramadan, M. El Baiomy	45

New Journal of Glass and Ceramics (NJGC) Journal Information

SUBSCRIPTIONS

The *New Journal of Glass and Ceramics* (Online at Scientific Research Publishing, https://www.scirp.org/) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2021 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

http://creativecommons.org/licenses/by/4.0/

Copyright for individual papers of the journal:

Copyright © 2021 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: njgc@scirp.org

Email: njgc@scirp.org



New Journal of Glass and Ceramics

ISSN Print: 2161-7554 ISSN Online: 2161-7562 https://www.scirp.org/journal/njgc

New Journal of Glass and Ceramics (NJGC) is an international, specialized, English-language journal devoted to publication of original contributions concerning all branches of glass and ceramics, their properties and applications. It is an openaccess, peer-reviewed journal describing scientific and technological advances that cover the basic sciences, engineering aspects and applied technology of glass and ceramics as bulk and films.

Editorial Board

Dr. Claudia Belviso
Dr. Nikolaos Bouropoulos
Prof. Andrew E. Burns
Dr. Luís Antônio S. de A. Prado
Dr. Anirban Dhar
Prof. Aswini Ghosh
Prof. Michael T. Lanagan
Dr. Hong Li

Prof. Ji-Guang Li Dr. Bouzid Menaa Dr. Nelcy Della Santina Mohallem Dr. Faik Nuzhet Oktar Dr. Dinesh Pathak Dr. Mukul Chandra Paul Prof. Zhijian Peng Dr. Gary R. Pickrell Dr. Liudvikas Pranevicius Prof. Giancarlo C. Righini Prof. Sylwester Janusz Rzoska Prof. Boris Subotic Prof. Maria Suszynska Prof. Kulwant Singh Thind

Subject Coverage

The journal publishes the highest quality original full articles, communications, notes, reviews, special issues and books, covering both the experimental and theoretical aspects including but not limited to the following materials, techniques and studies:

- Aerogels
- Automotive Glasses
- Bioceramics
- Bioglass
- Cements and Concrete
- Ceramic and Glass Powders
- Ceramic Composites
- Coatings Process
- · Crystallization in Glass

- Decorative Glasses
- Glass Fibers
- Glass Polymers
- Low-Softening Temperature Glasses
- Nanoglass
- New Inorganic Glasses
- Organic-Inorganic Glasses
- Powder Preparation and Colloidal Sciences
- Refractories and Industrial Glasses and Ceramics
- Sol-Gel Glasses

With applications in: nanotechnology, optics, photonics, biomedical, biomaterials for implants and prosthesis, dentistry, environment, energy, thermal insulation, materials reinforcement, architectural restoration.

Contributions to fundamental and basic sciences of glass and ceramics research will be highlighted.

These concerns among others the properties and the characterization of glasses: glass structures studies, diffusion and kinetics in glasses, phase studies, thermodynamics, mechanical, thermal stability, salvation, surface properties, porosity, electrical, thermal, optical, magnetic and conductivity properties.

These concern also the theoretical aspect of the science of glass and ceramics with structure-properties relationship including modeling approaches, mechanisms. Manuscripts dealing with the technical aspect including the development of innovating tools for materials processes and productions as well as the characterization techniques of the materials are welcome.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. Authors are responsible for having their papers checked for style and grammar prior to submission to NJGC. For more details about the submissions, please access the website.

Website and E-Mail

https://www.scirp.org/journal/njgc

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience





Website: https://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org