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## Special Issue on Quantum Color Dynamics

### Call for Papers

Quantum chromodynamics (QCD), in physics, the theory that describes the action of the strong force. QCD was constructed in analogy to quantum electrodynamics (QED), the quantum field theory of the electromagnetic force. In QED the electromagnetic interactions of charged particles are described through the emission and subsequent absorption of massless photons, best known as the “particles” of light; such interactions are not possible between uncharged, electrically neutral particles. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in the area of quantum color dynamics.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **quantum color dynamics**. In this special issue, potential topics include, but are not limited to:

- Introduction to QCD and the standard model
- Quark-Gluon plasma and the early universe
- Protons and other hadrons in quark model
- Probing the parton structure in the proton
- Hadron structure
- Quark gluon plasma

Authors should read over the journal’s [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal’s [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – *Quantum Color Dynamics***” should be chosen during your submission.

Special Issue timetable:

Submission Deadline	February 11th, 2016
Publication Date	April 2016

### Guest Editor:

For further questions or inquiries  
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