

## List of Publications (Last Five Years)

### **Prof. Nameeta Brahme**

- [Synthesis and concentration dependent luminescent characterization of BaMgSiO<sub>4</sub>: Eu<sup>3+</sup> phosphor](#) 2020  
B Verma, RN Baghel, DP Bisen, N Brahme, A Khare  
Journal of Alloys and Compounds, 155326
- [Investigation of structural and optical properties of gadolinium modified barium zirconium titanate ceramic](#) 2020  
G Nag Bhargavi, T Badapanda, A Khare, PK Ray, N Brahme  
Phase Transitions, 1-8
- [Influence of Dy<sup>3+</sup> concentration on spectroscopic behaviour of Sr<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub>: Dy<sup>3+</sup> phosphors](#) 2020  
P Dewangan, DP Bisen, N Brahme, S Sharma, RK Tamrakar, IP Sahu, ...  
Journal of Alloys and Compounds 816, 152590
- [A study on the luminescence properties of gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors fabricated using a combustion-assisted method \(vol 6, pg 49317, 2016\)](#) 2020  
G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, SJ Dhoble  
RSC ADVANCES 10 (9), 5196-5201
- [RETRACTIONStructural characterization and optical properties of Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>2+</sup>, Dy<sup>3+</sup> phosphor by solid-state reaction method \(Retraction of Vol 30, Pg 526, 2015\)](#) 2020  
IP Sahu, DP Bisen, N Brahme  
LUMINESCENCE 35 (1), 163-163
- [Thermoluminescence studies of Dy<sup>3+</sup>-doped calcium barium orthosilicate codoped with Li<sup>+</sup> ion](#) 2020  
GR Banjare, DP Bisen, N Brahme, C Belodhiya, P Dewangan, ...  
Journal of Thermal Analysis and Calorimetry 139 (3), 1577-1583
- [Correction and removal of expression of concern: A study on the luminescence properties of gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors fabricated using ...](#) 2020  
G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, SJ Dhoble  
RSC Advances 10 (9), 5196-5201
- [Structural characterization and effects of Dy concentration on luminescent properties of BaMgSiO<sub>4</sub> phosphors](#) 2019  
B Verma, RN Baghel, DP Bisen, N Brahme, A Khare  
Journal of Alloys and Compounds 805, 663-672
- [Luminescence properties of near-UV excitable yellow-orange light emitting warm CaSrAl<sub>2</sub>SiO<sub>7</sub>: Sm<sup>3+</sup> phosphors](#) 2019  
S Sharma, N Brahme, DP Bisen, P Dewangan  
Journal of Rare Earths 37 (4), 365-373
- [Structural characterization and luminescence properties of Dy<sup>3+</sup> doped Ca<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub> phosphors](#) 2019  
P Dewangan, DP Bisen, N Brahme, S Sharma  
Journal of Alloys and Compounds 777, 423-433

- [Thermoluminescence glow curve for UV induced Sr<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub> phosphor with its structural characterization](#) 2019  
P Dewangan, DP Bisen, N Brahme, S Sharma, RK Tamrakar, IP Sahu  
Journal of Materials Science: Materials in Electronics 30 (1), 771-777
- [Cool white light emission from Dy<sup>3+</sup> activated alkaline alumino silicate phosphors](#) 2018  
S Sharma, N Brahme, DP Bisen, P Dewangan  
Optics express 26 (22), 29495-29508
- [Growth and synthesis of Sr<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub>:Dy<sup>3+</sup> nanorod arrays by a solid state reaction method](#) 2018  
P Dewangan, DP Bisen, N Brahme, RK Tamrakar, S Sharma, K Upadhyay  
Optical and Quantum Electronics 50 (10), 367
- [Analysis of temperature and frequency dependent dielectric properties, dynamic hysteresis loop and thermal energy conversion in BaZr<sub>0.05</sub>Ti<sub>0.95</sub>O<sub>3</sub> ceramic](#) 2018  
GN Bhargavi, A Khare, T Badapanda, MS Anwar, N Brahme  
Journal of Materials Science: Materials in Electronics 29 (13), 11439-11448
- [Luminescence Properties of BaAl<sub>2</sub>O<sub>4</sub>: Eu<sup>2+</sup> Phosphors](#) 2018  
M Ziyauddin, N Brahme, AK Shrivastava  
Luminescence 5 (04)
- [Studies on thermoluminescence properties of alkaline earth silicate phosphors](#) 2018  
P Dewangan, DP Bisen, N Brahme, RK Tamrakar, K Upadhyay, S Sharma, ...  
Journal of Alloys and Compounds 735, 1383-1388
- [Influence of Eu doping on the structural, electrical and optical behavior of Barium Zirconium Titanate ceramic](#) 2018  
GN Bhargavi, A Khare, T Badapanda, PK Ray, N Brahme  
Ceramics International 44 (2), 1817-1825
- [Study on photoluminescence and thermoluminescence properties of UV-irradiated CaSrAl<sub>2</sub>SiO<sub>7</sub>:Ce<sup>3+</sup> phosphors](#) 2018  
S Sharma, N Brahme, DP Bisen, P Dewangan, S Tigga, G Tiwari, A Khare  
Journal of Materials Science: Materials in Electronics 29 (2), 1412-1419
- [Electrical characterizations of BaZrTiO perovskite ceramic by impedance spectroscopy, electric modulus and conductivity.](#) 2017  
G Bhargavi, A Khare, T Badapanda, M Anwar, N Brahme  
Journal of Materials Science: Materials in Electronics 28 (22)
- [Electrical characterizations of BaZr<sub>0.05</sub>Ti<sub>0.95</sub>O<sub>3</sub> perovskite ceramic by impedance spectroscopy, electric modulus and conductivity](#) 2017  
GN Bhargavi, A Khare, T Badapanda, MS Anwar, N Brahme  
Journal of Materials Science: Materials in Electronics 28 (22), 16956-16964
- [INVESTIGATION OF THERMOLUMINESCENCE CHARACTERISTICS OF Y<sub>2</sub>O<sub>3</sub>:Er<sup>3+</sup> NANOPHOSPHORS](#) 2017  
M Kaur, DP Bisen, N Brahme, P Singh

Radiation protection dosimetry 173 (4), 293-301

[Photoluminescence and mechanoluminescence investigation of bluish-green afterglow SrMgAl<sub>10</sub>O<sub>17</sub>:Ce<sup>3+</sup> phosphor](#) 2017

S Tigga, N Brahme, DP Bisen

Journal of Materials Science: Materials in Electronics 28 (6), 4750-4757

[Fracto-mechanoluminescence and thermoluminescence properties of orange-red emitting Eu<sup>3+</sup> doped Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub> phosphors](#) 2017

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, A Khare

Journal of Luminescence 183, 89-96

[Retraction notice to "Luminescence enhancement of bluish-green Sr<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Eu<sup>2+</sup> phosphor by dysprosium co-doping"\[J. Lumin 167 \(2015\) 278–288\]](#) 2017

IP Sahu, DP Bisen, N Brahme, RK Tamrakar

Journal of Luminescence 100 (186), 326

[Estimation of kinetic parameters from thermoluminescence glow curves of pure and Eu<sup>3+</sup> doped barium zirconate titanate \(BZT\)](#) 2017

GN Bhargavi, A Khare, N Brahme

Optik 129, 83-92

[Mechanoluminescence, thermoluminescence and photoluminescence studies of UV/γ-irradiated Ba<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Dy<sup>3+</sup> phosphors](#) 2016

SK Sao, N Brahme, DP Bisen, G Tiwari, SJ Dhoble

Journal of Luminescence 180, 306-314

[Luminescence properties of dysprosium doped di-calcium di-aluminium silicate phosphors](#) 2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, S Tigga

Optical Materials 58, 234-242

[Luminescent properties of R<sup>n+</sup> doped Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>3+</sup>\(R<sup>n+</sup> = Li<sup>+</sup>, Na<sup>+</sup> and K<sup>+</sup>\) orange-red emitting phosphors](#) 2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar, G Banjare, P Dewangan

Journal of Materials Science. Materials in Electronics 27 (7), 6721

[Fracto-mechanoluminescence and thermoluminescence properties of UV and γ- irradiated Ca<sub>2</sub>AlSi<sub>2</sub>O<sub>7</sub>: Ce<sup>3+</sup> phosphor](#) Geeta Luminescence: The Journal of Biological 2016

GT Nameeta Brahme, R. Sharma, D. P. Bisen, Sanjay Kumar Sao and Manisha Singh

Luminescence: The Journal of Biological and Chemical Luminescence 31 (3 ...

[Studies on the luminescence properties of the gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors by combustion-assisted method](#) 2016

GT Nameeta Brahme, Ravi Sharma, D. P. Bisen, Sanjay Kumar sao, S.J. Dhoble

RSC Advances

[Fracto-mechanoluminescence and thermoluminescence properties of UV and γ-irradiated Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>:Ce<sup>3+</sup> phosphor](#) 2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, M Singh  
Luminescence 31 (3), 793-801

[Photoluminescence properties of rare-earth-doped \(Er<sup>3+</sup>, Yb<sup>3+</sup>\) Y<sub>2</sub>O<sub>3</sub> nanophosphors by a combustion synthesis method](#) 2016

M Kaur, DP Bisen, N Brahme, P Singh, IP Sahu  
Luminescence: The Journal of Biological and Chemical Luminescence 31 (3 ...

[Generation of White light from Dysprosium-Doped Strontium Aluminate Phosphor by a Solid-State Reaction Method](#) 2016

RT Ishwar Prasad Sahu, D.P.Bisen, Nameeta Brahme  
Journal of ELECTRONIC MATERIALS 45 (4), 2222-2232

[Effect of capping agent on the particle size of CdSe nanoparticles](#) 2016

NS Ravi Sharma, Nameeta Brahme  
Luminescence: The Journal of Biological and Chemical Luminescence

[Luminescence behavior of europium activated strontium aluminate phosphors by solid state reaction method](#) 2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Materials Science: Materials in Electronics 27, 3443-3455

[Effect of gamma irradiation on thermoluminescence and fracto-mechanoluminescence properties of SrMgAl<sub>10</sub>O<sub>17</sub>: Eu<sup>2+</sup> phosphor](#) 2016

S Tigga, N Brahme, DP Bisen  
Optical Materials 53, 109-115

[Structural characterization and thermoluminescence studies of UV irradiated and Eu<sup>3+</sup> activated BaZr<sub>0.25</sub>Ti<sub>0.75</sub>O<sub>3</sub> powders](#) 2016

AN Bhargavi, A Khare, N Brahme  
Materials Science in Semiconductor Processing 44, 38-47

[Luminescent properties of R<sup>+</sup> doped Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>3+</sup> \(R= Li<sup>+</sup>, Na<sup>+</sup> and K<sup>+</sup>\) orange-red emitting phosphors](#) 2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar, G Banjare, P Dewangan  
Journal of Materials Science: Materials in Electronics, 1-14

[Investigation of Thermoluminescence characteristics of Y<sub>2</sub>O<sub>3</sub> nanophosphors](#) 2016

MK D. P. Bisen, N. Brahme, Prabhjot Singh  
Radiation Protection Dosimetry, 1-9

[Enhanced long-persistence of Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Ce<sup>3+</sup> phosphors for mechanoluminescence and thermoluminescence dosimetry](#) 2016

GT Nameeta Brahme, R. Sharma, D. P. Bisen, Sanjay Kumar Sao, U. Kurrey  
Journal of Material Science: Material in Electronics

[Investigations on luminescence behaviour of Ce-activated BaMgAl<sub>10</sub>O<sub>17</sub> phosphor](#) 2016

ST Nameeta Brahme, D. P. Bisen

Luminescence: The Journal of Biological and Chemical Luminescence

[Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>:Ce<sup>3+</sup> phosphors for mechanoluminescence dosimetry](#) 2016

GT Nameeta Brahme, Ravi Sharma, D. P. Bisen, Sanjay Kumar Sao, I.P.Sahu

Luminescence: The Journal of Biological and Chemical Luminescence

[Studies on the luminescence behavior of SrCaMgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>3+</sup> phosphor by solid state reaction method](#) 2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar

Journal of Materials Science: Materials in Electronics 27 (2), 18

[Structural characterization of Er<sup>3+</sup>, Yb<sup>3+</sup>-doped Gd<sub>2</sub>O<sub>3</sub> phosphor, synthesized using the solid-state reaction method, and its luminescence behavior](#) 2016

RK Tamrakar, DP Bisen, N Brahme

Luminescence: The Journal of Biological and Chemical Luminescence 31 (16), 8-16

[Photoluminescence and thermoluminescence properties of Eu<sup>2+</sup>-doped and Eu<sup>2+</sup>, Dy<sup>3+</sup>-co-doped Ba<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub> phosphors](#) 2016

SKS Nameeta Brahme, D. P. Bisen, Geetanjali Tiwari

Luminescence: The Journal of Biological and Chemical Luminescence

[Journal homepage: <http://www.journalijar.com> INTERNATIONAL JOURNAL Journal DOI: 10.21474/IJAR01 OF ADVANCED RESEARCH RESEARCH ARTICLE](#) 2016

SA Mohamed, AA El-Fiky, OS Hassan, NA El-Megharbel

International Journal 4 (6), 1506-1511

[study on the luminescence properties of gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors fabricated using a combustion-assisted method](#) 2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, SJ Dhoble

RSC advances

[Synthesis, characterization and photoluminescence properties of SrMgAl<sub>10</sub>O<sub>17</sub>: Eu<sup>2+</sup> phosphor](#) 2016

S Tigga, N Brahme, DP Bisen

Proceedings of the twenty second national conference on luminescence and its ...

[Possibility of fracto-mechanoluminescence dosimetry in g-irradiated SrAl<sub>2</sub>O<sub>4</sub>: Eu, Dy phosphors](#) 2016

AK Choubey, N Brahme, DP Bisen, SJ Dhoble

Proceedings of the twenty second national conference on luminescence and its ...

[Ishwar Prasad Sahu, DP Bisen](#) 2016

N Brahme, R Sharma

J Mater Sci: Mater Electron 27, 3443-3455

[Development of photo-luminescent Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Dy<sup>3+</sup> phosphor](#) 2016

D Pandey, N Brahme, R Sharma, A Pandey

International Journal of Applied Engineering Research 11 (6), 3791-3794

- [Impulsive excitation of mechanoluminescence in europium activated strontium ortho-silicate phosphor](#) 2016  
IP Sahu, DP Bisen, N Brahme  
Journal of Materials Science: Materials in Electronics 27 (4), 3934-3940
- [Enhanced luminescence performance of Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup> blue long persistence phosphor by co-doping with Ce<sup>3+</sup> ions](#) 2016  
IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Materials Science: Materials in Electronics 27 (1), 554-569
- [Photoluminescence and thermoluminescence studies of CaAl<sub>2</sub>O<sub>4</sub>: Dy<sup>3+</sup> phosphor](#) 2016  
DPB Mohammad Ziyauddin, Shalinta Tigga, Nameeta Brahme  
Luminescence: The Journal of Biological and Chemical Luminescence 31, 76-80
- [Generation of White Light from Dysprosium-Doped Strontium Aluminate Phosphor by a Solid-State Reaction Method](#) 2015  
RT Ishwar Prasad Sahu, D.P.Bisen, Nameeta Brahme  
Journal of Electronic Materials
- [Luminescence Properties of Orange-Red Emitting Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>2+</sup> Phosphor prepared by Solid State Reaction Method](#) 2015  
IPS D. P. Bisen, Nameeta Brahme, Raunak Kumar Tamrakar  
International Journal of Luminescence and Applications 5 (4), 423-431
- [Luminescence Studies of Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup>, Dy<sup>3+</sup> Phosphor prepared by Solid State Reaction Method](#) 2015  
IPS D. P. Bisen, Nameeta Brahme, Raunak Kumar Tamrakar  
International Journal of Luminescence and Applications 5 (4), 414-422
- [Effect of synthesis annealing temperature & Yb<sup>3+</sup> concentration on photoluminescence properties of monoclinic Gd<sub>2</sub>O<sub>3</sub> phosphor](#) 2015  
RK Tamrakar, DP Bisen, K Upadhyay, IP Sahu, N Brahme  
Journal of Optics 44 (4), 337-345
- [Comparison of emitted color by pure Gd<sub>2</sub>O<sub>3</sub> prepared by two different methods by CIE coordinates](#) 2015  
RK Tamrakar, DP Bisen, K Upadhyay, M Sahu, IP Sahu, N Brahme  
Superlattices and Microstructures 88, 382-388
- [Dysprosium doped di-calcium magnesium di-silicate white light emitting phosphor by solid state reaction method](#) 2015  
IP Sahu, DP Bisen, N Brahme, RK Tamrakar, R Shrivastava  
Journal of Materials Science: Materials in Electronics 26 (12), 9907-9920
- [Studies on the luminescence properties of europium doped strontium alumino-silicate phosphors by solid state reaction method](#) 2015  
IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Materials Science: Materials in Electronics 26 (12), 10075-10086

- [Enhancement of the photoluminescence and long afterglow properties of Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup> phosphor by Dy<sup>3+</sup> co-doping](#) 2015  
IP Sahu, DP Bisen, N Brahme, M Ganjir  
Luminescence 30 (8), 1318-1325
- [Luminescence properties of dysprosium doped calcium magnesium silicate phosphor by solid state reaction method](#) 2015  
IP Sahu, P Chandrakar, RN Baghel, DP Bisen, N Brahme, RK Tamrakar  
Journal of Alloys and Compounds 649, 1329-1338
- [Structural characterization and luminescence properties of bluish-green-emitting SrCaMgSiO: Eu, Dy phosphor by solid-state reaction method.](#) 2015  
I Sahu, D Bisen, N Brahme, L Wanjari, R Tamrakar  
Research on Chemical Intermediates 41 (11)
- [Luminescence studies of dysprosium doped strontium aluminate white light emitting phosphor by combustion route](#) 2015  
IP Sahu, DP Bisen, N Brahme, RK Tamrakar, R Shrivastava  
Journal of Materials Science: Materials in Electronics 26 (11), 8824-8839
- [Structural characterization and luminescence properties of bluish-green-emitting SrCaMgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup>, Dy<sup>3+</sup> phosphor by solid-state reaction method](#) 2015  
IP Sahu, DP Bisen, N Brahme, L Wanjari, RK Tamrakar  
Research on Chemical Intermediates 41 (11), 8797-8814
- [Luminescence properties of green-emitting Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup> phosphor by a solid-state reaction method](#) 2015  
IP Sahu, DP Bisen, N Brahme  
Luminescence 30 (7), 1125-1132
- [Structural and luminescence behavior of Gd<sub>2</sub>O<sub>3</sub>: Er<sup>3+</sup> phosphor synthesized by solid state reaction method](#) 2015  
RK Tamrakar, DP Bisen, N Brahme, IP Sahu, K Upadhyay  
Optik 126 (20), 2654-2658
- [Luminescence properties of Eu, Dy-doped SrMgSiO, and CaMgSiO phosphors by solid-state reaction method.](#) 2015  
I Sahu, D Bisen, N Brahme, R Sharma  
Research on Chemical Intermediates 41 (9)
- [Luminescence properties of Eu<sup>2+</sup>, Dy<sup>3+</sup>-doped Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>, and Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub> phosphors by solid-state reaction method](#) 2015  
IP Sahu, DP Bisen, N Brahme, R Sharma  
Research on Chemical Intermediates 41 (9), 6649-6664
- [Effect of capping agent concentration on thermoluminescence and photoluminescence of copper-doped zinc sulfide nanoparticles](#) 2015  
L Wanjari, DP Bisen, N Brahme, IP Sahu, R Sharma

Luminescence 30 (5), 655-659

[Influence of Er<sup>3+</sup> concentration on the photoluminescence characteristics and excitation mechanism of Gd<sub>2</sub>O<sub>3</sub>:Er<sup>3+</sup> phosphor synthesized via a solid-state ...](#) 2015

RK Tamrakar, DP Bisen, N Bramhe

Luminescence 30 (5), 668-676

[Structural characterization and optical properties of Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup>,Dy<sup>3+</sup> phosphor by solid-state reaction method](#) 2015

IP Sahu, DP Bisen, N Brahme

Luminescence 30 (5), 526-532

[Thermoluminescence characteristics of ZnS: Cu nanoposphors](#) 2015

L Wanjari, DP Bisen, N Brahme, IP SAHU

J Optoelectron Biomed Mater 7 (3), 59

[Structural characterization and optical properties of dysprosium doped strontium calcium magnesium di-silicate phosphor by solid state reaction method](#) 2015

IP Sahu, DP Bisen, N Brahme

Displays 38, 68-76

[Europium doped di-calcium magnesium di-silicate orange-red emitting phosphor by solid state reaction method](#) 2015

IP Sahu, DP Bisen, N Brahme

Journal of Radiation Research and Applied Sciences 8 (3), 381-388

[Luminescence enhancement of bluish-green Sr<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>:Eu<sup>2+</sup> phosphor by dysprosium co-doping](#) 2015

RKT Ishwar Prasad Sahu a,n, D.P. Bisen a, Nameeta Brahme a

Journal of Luminescence, 278-288

[Photoluminescence and Thermoluminescence Properties of Rare Earth Doped CaAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub> phosphors](#) 2015

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao

International Research Journal of Engineering and Technology (IRJET) May ...

[Down-conversion luminescence property of Er<sup>3+</sup> and Yb<sup>3+</sup> co-doped Gd<sub>2</sub>O<sub>3</sub> crystals prepared by combustion synthesis and solid state reaction method](#) 2015

RK Tamrakar, DP Bisen, K Upadhyay, N Bramhe

Superlattices and Microstructures 81, 34-48

[Photoluminescence \(PL\) and Thermoluminescence \(TL\) studies of  \$\gamma\$ -irradiated CaAl<sub>2</sub>O<sub>4</sub>: Eu<sup>2+</sup> phosphor synthesized by combustion](#) 2015

M Ziyauddin, N Brahme, DP Bisen, RS Kher

[STUDY OF PHOTO-CATALYTIC DEGRADATION OF METHYL ORANGE ON ZnO CATALYST SYNTHESIZED USING MEDICINAL PLANT \(CATHARANTHUS ROSEUS\) AS BIO-TEMPLATE](#) 2015

S Sharma, A Oudhia, N Brahme, P Kulkarni

International Journal of Advanced research in Science and Engineering, 4 (1 ...



- [Mechanoluminescence properties of Europium doped Di-Strontium Magnesium Di- Silicate Phosphor](#) 2015  
 PD Ishwar Prasad Sahu, D.P.Bisen, Nameeta Brahme, R. Tamrakar, Ganesh Ram ...  
 International Science Journal 2 (1)
- [Thermoluminescence and Mechanoluminescence Properties of Ba<sub>2-x</sub>MgSi<sub>2</sub>O<sub>7</sub>: XCe<sup>3+</sup> Phosphors](#) 2015  
 SK Sao, N Brahme, DP Bisen, G Tiwari  
 Physics Procedia 76, 59-67
- [Photoluminescence and Electroluminescence of Eu Doped Y<sub>2</sub>O<sub>3</sub>](#) 2015  
 A Gupta, N Brahme, DP Bisen  
 Physics Procedia 76, 16-24
- [Luminescence properties of Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>2+</sup>, Ce<sup>3+</sup> phosphor by solid state reaction method](#) 2015  
 IP Sahu, DP Bisen, N Brahme, L Wanjari, R Tamrakar  
 Physics Procedia 76, 80-85
- [Thermoluminescence and Mechanoluminescence Properties of UV-Irradiated Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Ce<sup>3+</sup>, Tb<sup>3+</sup> Phosphor](#) 2015  
 G Tiwaria, N Brahmea, DP Bisen, SK Saa, R Sharmab  
 Physics Procedia 76, 53-58
- [Photoluminescence properties of europium doped di-strontium magnesium di-silicate phosphor by solid state reaction method](#) 2015  
 IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
 Journal of Radiation Research and Applied Sciences 8 (1), 104-109
- [Effect of Yb<sup>3+</sup> concentration on photoluminescence properties of cubic Gd<sub>2</sub>O<sub>3</sub> phosphor](#) 2015  
 RK Tamrakar, DP Bisen, N Brahme  
 Infrared Physics & Technology 68, 92-97
- 
- Prof. D. B. Bisen**
- [Synthesis and concentration dependent luminescent characterization of BaMgSiO<sub>4</sub>: Eu<sup>3+</sup> phosphor](#) 2020  
 B Verma, RN Baghel, DP Bisen, N Brahme, A Khare  
 Journal of Alloys and Compounds, 155326
- [Influence of Dy<sup>3+</sup> concentration on spectroscopic behaviour of Sr<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub>: Dy<sup>3+</sup> phosphors](#) 2020  
 P Dewangan, DP Bisen, N Brahme, S Sharma, RK Tamrakar, IP Sahu, ...  
 Journal of Alloys and Compounds 816, 152590
- [A study on the luminescence properties of gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors fabricated using a combustion-assisted method \(vol 6, pg 49317, 2016\)](#) 2020  
 G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, SJ Dhoble  
 RSC ADVANCES 10 (9), 5196-5201
- [RETRACTIONStructural characterization and optical properties of Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>2+</sup>, Dy<sup>3+</sup>](#) 2020

- [phosphor by solid-state reaction method \(Retraction of Vol 30, Pg 526, 2015\)](#)  
IP Sahu, DP Bisen, N Brahme  
LUMINESCENCE 35 (1), 163-163
- [Thermoluminescence studies of Dy<sup>3+</sup>-doped calcium barium orthosilicate codoped with Li<sup>+</sup> ion](#) 2020  
GR Banjare, DP Bisen, N Brahme, C Belodhiya, P Dewangan, ...  
Journal of Thermal Analysis and Calorimetry 139 (3), 1577-1583
- [Correction and removal of expression of concern: A study on the luminescence properties of gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors fabricated using ...](#) 2020  
G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, SJ Dhoble  
RSC Advances 10 (9), 5196-5201
- [Stellar cores in the Sh 2-305 H II region](#) 2020  
R Pandey, S Sharma, N Panwar, LK Dewangan, DK Ojha, DP Bisen, ...  
arXiv preprint arXiv:2001.04722
- [Structural characterization and effects of Dy concentration on luminescent properties of BaMgSiO<sub>4</sub> phosphors](#) 2019  
B Verma, RN Baghel, DP Bisen, N Brahme, A Khare  
Journal of Alloys and Compounds 805, 663-672
- [Luminescence properties of near-UV excitable yellow-orange light emitting warm CaSrAl<sub>2</sub>SiO<sub>7</sub>: Sm<sup>3+</sup> phosphors](#) 2019  
S Sharma, N Brahme, DP Bisen, P Dewangan  
Journal of Rare Earths 37 (4), 365-373
- [Structural characterization and luminescence properties of Dy<sup>3+</sup> doped Ca<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub> phosphors](#) 2019  
P Dewangan, DP Bisen, N Brahme, S Sharma  
Journal of Alloys and Compounds 777, 423-433
- [Correction: 3T1R model and tuning of thermoluminescence intensity by optimization of dopant concentration in monoclinic Gd<sub>2</sub>O<sub>3</sub>: Er<sup>3+</sup>; Yb<sup>3+</sup> co-doped phosphor](#) 2019  
RK Tamrakar, K Upadhyay, DP Bisen  
Physical Chemistry Chemical Physics 21 (4), 2196-2196
- [Thermoluminescence glow curve for UV induced Sr<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub> phosphor with its structural characterization](#) 2019  
P Dewangan, DP Bisen, N Brahme, S Sharma, RK Tamrakar, IP Sahu  
Journal of Materials Science: Materials in Electronics 30 (1), 771-777
- [Structural, Morphological and Luminescence Properties of Dy<sup>3+</sup> Doped Calcium Magnesium Silicate Solid Materials](#) 2019  
BR Verma, RN Baghel, DP Bisen, S Ghosh, V Jena  
International Journal of Applied Engineering Research 14 (9), 2162-2166
- [Cool white light emission from Dy<sup>3+</sup> activated alkaline alumino silicate phosphors](#) 2018  
S Sharma, N Brahme, DP Bisen, P Dewangan

Optics express 26 (22), 29495-29508

- [Growth and synthesis of  \$\text{Sr}\_3\text{MgSi}\_2\text{O}\_8:\text{Dy}^{3+}\$  nanorod arrays by a solid state reaction method](#) 2018  
P Dewangan, DP Bisen, N Brahme, RK Tamrakar, S Sharma, K Upadhyay  
Optical and Quantum Electronics 50 (10), 367
- [Studies on thermoluminescence properties of alkaline earth silicate phosphors](#) 2018  
P Dewangan, DP Bisen, N Brahme, RK Tamrakar, K Upadhyay, S Sharma, ...  
Journal of Alloys and Compounds 735, 1383-1388
- [Study on photoluminescence and thermoluminescence properties of UV-irradiated  \$\text{CaSrAl}\_2\text{SiO}\_7:\text{Ce}^{3+}\$  phosphors](#) 2018  
S Sharma, N Brahme, DP Bisen, P Dewangan, S Tigga, G Tiwari, A Khare  
Journal of Materials Science: Materials in Electronics 29 (2), 1412-1419
- [Studies on the luminescence properties of cerium co-doping on  \$\text{Ca}\_2\text{MgSi}\_2\text{O}\_7:\text{Eu}^{2+}\$  phosphor by solid-state reaction method](#) 2017  
IP Sahu, DP Bisen, KVR Murthy, RK Tamrakar  
Luminescence 32 (7), 1263-1276
- [3T1R model and tuning of thermoluminescence intensity by optimization of dopant concentration in monoclinic  \$\text{Gd}\_2\text{O}\_3:\text{Er}^{3+};\text{Yb}^{3+}\$  co-doped phosphor](#) 2017  
RK Tamrakar, K Upadhyay, DP Bisen  
Physical Chemistry Chemical Physics 19 (22), 14680-14694
- [Synthesis, characterization and thermoluminescence studies of  \$\(\text{ZnS}\)\_{1-x}\(\text{MnTe}\)\_x\$  nanophosphors](#) 2017  
D Pateria, RN Baghel, DP Bisen, P Jha, VK Chandra, BP Chandra  
Luminescence 32 (3), 375-381
- [INVESTIGATION OF THERMOLUMINESCENCE CHARACTERISTICS OF  \$\text{Y}\_2\text{O}\_3:\text{Er}^{3+}\$  NANOPHOSPHORS](#) 2017  
M Kaur, DP Bisen, N Brahme, P Singh  
Radiation protection dosimetry 173 (4), 293-301
- [Tuning of photoluminescence emission properties of  \$\text{Eu}^{3+}\$  doped  \$\text{Gd}\_2\text{O}\_3\$  by different excitations](#) 2017  
RK Tamrakar, K Upadhyay, IP Sahu, DP Bisen  
Optik 135, 281-289
- [Multi-scale simulations of membrane proteins: the case of bitter taste receptors](#) 2017  
E Suku, F Fierro, A Giorgetti, M Alfonso-Prieto, P Carloni  
Journal of Science: Advanced Materials and Devices 2 (1), 15-21
- [Luminescence studies on the europium doped strontium metasilicate phosphor prepared by solid state reaction method](#) 2017  
IP Sahu, DP Bisen, RK Tamrakar, KVR Murthy, M Mohapatra  
Journal of Science: Advanced Materials and Devices 2 (1), 59-68
- [Studies on the luminescence properties of  \$\text{CaZrO}\_3:\text{Eu}^{3+}\$  phosphors prepared by the solid state reaction method](#) 2017

IP Sahu, DP Bisen, RK Tamrakar, KVR Murthy, M Mohapatra  
Journal of Science: Advanced Materials and Devices 2 (1), 69-78

[Photoluminescence and mechanoluminescence investigation of bluish-green afterglow SrMgAl<sub>10</sub>O<sub>17</sub>:Ce<sup>3+</sup> phosphor](#) 2017

S Tigga, N Brahme, DP Bisen  
Journal of Materials Science: Materials in Electronics 28 (6), 4750-4757

[Fracto-mechanoluminescence and thermoluminescence properties of orange-red emitting Eu<sup>3+</sup> doped Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub> phosphors](#) 2017

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, A Khare  
Journal of Luminescence 183, 89-96

[Retraction notice to "Luminescence enhancement of bluish-green Sr<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Eu<sup>2+</sup> phosphor by dysprosium co-doping"\[J. Lumin 167 \(2015\) 278–288\]](#) 2017

IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Luminescence 100 (186), 326

[Enhanced Luminescence on doping of Charge Compensator Ions \(R= Li<sup>+</sup>, Na<sup>+</sup> and K<sup>+</sup>\) in Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>3+</sup> Phosphors](#) 2017

IP Sahu, DP Bisen, KVR Murthy, RK Tamrakar  
Int. J. Lumin. Appl. 6, 231-239

[Change in thermoluminescence behaviour of cubic Gd<sub>2</sub>O<sub>3</sub>: Yb<sup>3+</sup> phosphors with successive increase in Yb<sup>3+</sup> ion concentrations](#) 2017

RK Tamrakar, DP Bisen, K Upadhyay  
Radiation Physics and Chemistry 130, 321-334

[Mechanoluminescence, thermoluminescence and photoluminescence studies of UV/γ-irradiated Ba<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Dy<sup>3+</sup> phosphors](#) 2016

SK Sao, N Brahme, DP Bisen, G Tiwari, SJ Dhoble  
Journal of Luminescence 180, 306-314

[Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>:Ce<sup>3+</sup> phosphors for mechanoluminescence dosimetry](#) 2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, IP Sahu  
Luminescence 31 (8), 1479-1487

[Investigations on luminescence behaviour of Ce-activated BaMgAl<sub>10</sub>O<sub>17</sub> phosphor](#) 2016

S Tigga, N Brahme, DP Bisen  
Luminescence 31 (7), 1306-1312

[Photoluminescence and thermoluminescence properties of Eu<sup>2+</sup> doped and Eu<sup>2+</sup>, Dy<sup>3+</sup> co-doped Ba<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub> phosphors](#) 2016

SK Sao, N Brahme, DP Bisen, G Tiwari  
Luminescence 31 (7), 1364-1371

[Dysprosium-Doped Strontium Magnesium Silicate White Light Emitting Phosphor Prepared by Solid State Reaction Method](#) 2016

IP Sahu, DP Bisen, RK Tamrakar

Journal of Display Technology 12 (11), 1478-1487

[Structural Characterization of Gd<sub>2</sub>O<sub>3</sub> Phosphor Synthesized by Solid-State Reaction and Combustion Method Using X-Ray Diffraction and Transmission Electron ...](#)

2016

RK Tamrakar, DP Bisen, IP Sahu, K Upadhyay, M Sahu

Journal of Display Technology 12 (9), 921-927

[Luminescence properties of dysprosium doped di-calcium di-aluminium silicate phosphors](#)

2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, S Tigga

Optical Materials 58, 234-242

[Optical and Structural characterization of pure and zinc-doped lead oxide nanostructures synthesized by chemical root method](#)

2016

PB Taunk, R Das, DP Bisen, R kumar Tamrakar

Optik 127 (15), 6028-6035

[Luminescent properties of R<sup>+</sup> doped Sr<sup>2+</sup> MgSi<sup>2+</sup> O<sup>7-</sup>: Eu<sup>3+</sup> \(R<sup>+</sup> = Li<sup>+</sup>, Na<sup>+</sup> and K<sup>+</sup>\) orange-red emitting phosphors](#)

2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar, G Banjare, P Dewangan

Journal of Materials Science. Materials in Electronics 27 (7), 6721

[Luminescence behavior of europium doped strontium magnesium silicate phosphor by solid state reaction method](#)

2016

IP Sahu, DP Bisen, RN Baghel, KVR Murthy

Journal of Materials Science: Materials in Electronics 27 (7), 7573-7581

[Luminescent properties of R<sup>+</sup> doped Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>3+</sup> \(R<sup>+</sup> = Li<sup>+</sup>, Na<sup>+</sup> and K<sup>+</sup>\) orange-red emitting phosphors](#)

2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar, G Banjare, P Dewangan

Journal of Materials Science: Materials in Electronics 27 (7), 6721-6734

[Enhanced long-persistence of Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>:Ce<sup>3+</sup> phosphors for mechanoluminescence and thermoluminescence dosimetry](#)

2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, UK Kurrey

Journal of Materials Science: Materials in Electronics 27 (6), 6399-6407

[Synthesis and characterization of pure and Zn doped lead hydroxide nano structure through chemical root method](#)

2016

PB Taunk, R Das, DP Bisen, RK Tamrakar

Optik 127 (11), 4854-4858

[A study on the luminescence properties of gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors fabricated using a combustion-assisted method](#)

2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, SJ Dhoble

RSC Advances 6 (55), 49317-49327

[Fracto-mechanoluminescence and thermoluminescence properties of UV and γ-irradiated](#)

2016

[Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>:Ce<sup>3+</sup> phosphor](#)

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, M Singh  
Luminescence 31 (3), 793-801

[Photoluminescence properties of rare-earth-doped \(Er<sup>3+</sup>,Yb<sup>3+</sup>\) Y<sub>2</sub>O<sub>3</sub> nanophosphors by a combustion synthesis method](#)

2016

M Kaur, DP Bisen, N Brahme, P Singh, IP Sahu  
Luminescence 31 (3), 728-737

[Enhancement of photoluminescence behavior of Gd<sub>2</sub>O<sub>3</sub>: Er<sup>3+</sup> phosphor by alkali metal](#)

2016

K Upadhyay, RK Tamrakar, DP Bisen, IP Sahu, M Sahu  
Optik 127 (7), 3693-3697

[Generation of white light from dysprosium-doped strontium aluminate phosphor by a solid-state reaction method](#)

2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Electronic Materials 45 (4), 2222-2232

[Impulsive excitation of mechanoluminescence in europium activated strontium ortho-silicate phosphor](#)

2016

IP Sahu, DP Bisen, N Brahme  
Journal of Materials Science: Materials in Electronics 27 (4), 3934-3940

[Luminescence behavior of europium activated strontium aluminate phosphors by solid state reaction method](#)

2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Materials Science: Materials in Electronics 27 (4), 3443-3455

[UV excited green luminescence of SrAl<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup>, Dy<sup>3+</sup> nanophosphor](#)

2016

IP Sahu, DP Bisen, R Sharma  
Research on Chemical Intermediates 42 (4), 2791-2804

[Enhancement of the photoluminescence and long afterglow properties of Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup> phosphor by Dy<sup>3+</sup> co-doping](#)

2016

IP Sahu, DP Bisen, RK Tamrakar, R Shrivastava  
Research on Chemical Intermediates 42 (3), 1823-1843

[Effect of gamma irradiation on thermoluminescence and fracto-mechanoluminescence properties of SrMgAl<sub>10</sub>O<sub>17</sub>: Eu<sup>2+</sup> phosphor](#)

2016

S Tigga, N Brahme, DP Bisen  
Optical Materials 53, 109-115

[Variation in luminescence behavior of Yb<sup>3+</sup> doped GdAlO<sub>3</sub> phosphor with gradual increase in Yb<sup>3+</sup> concentration](#)

2016

RK Tamrakar, K Upadhyay, DP Bisen  
Infrared Physics & Technology 75, 160-167

[Mechanoluminescence properties of SrAl<sub>2</sub>O<sub>4</sub>:Eu<sup>2+</sup> phosphor by combustion synthesis](#)

2016

DP Bisen, R Sharma

Luminescence 31 (2), 394-400

[Studies on the luminescence behavior of SrCaMgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>3+</sup> phosphor by solid state reaction method](#)

2016

IP Sahu, DP Bisen, N Brahme, RK Tamrakar

Journal of Materials Science: Materials in Electronics 27 (2), 1828-1839

[Persistent luminescence of CaMgSi<sub>2</sub>O<sub>6</sub>:Eu<sup>2+</sup>,Dy<sup>3+</sup> and CaMgSi<sub>2</sub>O<sub>6</sub>:Eu<sup>2+</sup>,Ce<sup>3+</sup> phosphors prepared using the solid-state reaction method](#)

2016

P Chandrakar, RN Baghel, DP Bisen, BP Chandra

Luminescence 31 (1), 164-167

[Photoluminescence and thermoluminescence studies of CaAl<sub>2</sub>O<sub>4</sub>:Dy<sup>3+</sup> phosphor](#)

2016

M Ziyauddin, S Tigga, N Brahme, DP Bisen

Luminescence 31 (1), 76-80

[Structural characterization of Er<sup>3+</sup>,Yb<sup>3+</sup>-doped Gd<sub>2</sub>O<sub>3</sub> phosphor, synthesized using the solid-state reaction method, and its luminescence behavior](#)

2016

RK Tamrakar, DP Bisen, N Brahme

Luminescence 31 (1), 8-15

[Upconversion and colour tunability of Gd<sub>2</sub>O<sub>3</sub>: Er<sup>3+</sup> phosphor prepared by combustion synthesis method](#)

2016

RK Tamrakar, DP Bisen, K Upadhyay, IP Sahu

Journal of Alloys and Compounds 655, 423-432

[study on the luminescence properties of gamma-ray-irradiated white light emitting Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Dy<sup>3+</sup> phosphors fabricated using a combustion-assisted method](#)

2016

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao, SJ Dhoble

RSC advances

[effect of annealing and irradiation dose on the thermoluminescence glow peak of a monoclinic Gd<sub>2</sub>O<sub>3</sub>: Yb<sup>3+</sup> phosphor](#)

2016

DP Bisen, K Upadhyay, IP Sahu, M Sahu

RSC advances

[Effect of gamma dose on thermoluminescence behaviour of Y<sub>2</sub>O<sub>3</sub>: Gd<sup>3+</sup> phosphor](#)

2016

RK Tamrakar, DP Bisen, IP Sahu, K Upadhyay

Proceedings of the twenty second national conference on luminescence and its ...

[Effect of fuel on photoluminescence behaviour of Gd<sub>2</sub>O<sub>3</sub>: Tb<sup>3+</sup> phosphor synthesized by combustion method](#)

2016

RK Tamrakar, DP Bisen, IP Sahu, K Upadhyay

Proceedings of the twenty second national conference on luminescence and its ...

[Spectral characterization of Tb<sup>3+</sup>, Yb<sup>3+</sup> Co doped Gd<sub>2</sub>O<sub>3</sub> phosphor prepared by combustion method](#)

2016

K Upadhyay, RK Tamrakar, DP Bisen

- Proceedings of the twenty second national conference on luminescence and its ...
- [Synthesis, characterization and photoluminescence properties of SrMgAl<sub>10</sub>O<sub>17</sub>: Eu<sup>2+</sup> phosphor](#) 2016  
S Tigga, N Brahme, DP Bisen  
Proceedings of the twenty second national conference on luminescence and its ...
- [Possibility of fracto-mechanoluminescence dosimetry in g-irradiated SrAl<sub>20</sub>O<sub>4</sub>: Eu, Dy phosphors](#) 2016  
AK Choubey, N Brahme, DP Bisen, SJ Dhoble  
Proceedings of the twenty second national conference on luminescence and its ...
- [Thermoluminescence properties of ZrO<sub>2</sub>: Er<sup>3+</sup> synthesized by combustion synthesis method under UV excitation](#) 2016  
RK Tamrakar, DP Bisen, IP Sahu, K Upadhyay  
Proceedings of the twenty second national conference on luminescence and its ...
- [The down conversion properties of a Gd<sub>2</sub>O<sub>3</sub>: Er<sup>3+</sup> phosphor prepared via a combustion synthesis method](#) 2016  
RK Tamrakar, DP Bisen, K Upadhyay, IP Sahu, M Sahu  
RSC advances 6 (95), 92360-92370
- [The effect of annealing and irradiation dose on the thermoluminescence glow peak of a monoclinic Gd<sub>2</sub>O<sub>3</sub>: Yb<sup>3+</sup> phosphor](#) 2016  
R kumar Tamrakar, DP Bisen, K Upadhyay, IP Sahu, M Sahu  
RSC Advances 6 (84), 80797-80807
- [Structural characterization and photoluminescence properties of pure and Ag \(1–5%\)-doped \(Cd<sub>0.95</sub>Zn<sub>0.5</sub>\)S phosphors synthesized by solid-state reaction methods](#) 2016  
K Uplop, RK Tamrakar, CS Robinson, IP Sahu, DP Bisen  
Taibah University
- [Comparative study of thermoluminescence behaviour of Gd<sub>2</sub>O<sub>3</sub> phosphor synthesized by solid state reaction and combustion method with different exposure](#) 2016  
RK Tamrakar, DP Bisen, K Upadhyay, IP Sahu  
Radiation Measurements 84, 41-54
- [Enhanced luminescence performance of Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup> blue long persistence phosphor by co-doping with Ce<sup>3+</sup> ions](#) 2016  
IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Materials Science: Materials in Electronics 27 (1), 554-569
- [Structural characterization and photoluminescence properties of pure and Ag\(1–5%\)-doped \(Cd<sub>0.95</sub>Zn<sub>0.5</sub>\)S phosphors synthesized by solid-state reaction methods](#) 2016  
RK Tamrakar, IP Sahu, CS Robinson, DP Bisen, K Uplop  
Journal of Taibah University for Science 10 (1), 115-121
- [Effect of synthesis annealing temperature & Yb<sup>3+</sup> concentration on photoluminescence properties of monoclinic Gd<sub>2</sub>O<sub>3</sub> phosphor](#) 2015



RK Tamrakar, DP Bisen, K Upadhyay, IP Sahu, N Brahme  
Journal of Optics 44 (4), 337-345

[Synthesis, structural characterization and study of blue shift in optical properties of zinc oxide nano particles prepared by chemical route method](#) 2015

PB Taunk, R Das, DP Bisen, RK Tamrakar  
Superlattices and Microstructures 88, 417-425

[Comparison of emitted color by pure Gd<sub>2</sub>O<sub>3</sub> prepared by two different methods by CIE coordinates](#) 2015

RK Tamrakar, DP Bisen, K Upadhyay, M Sahu, IP Sahu, N Brahme  
Superlattices and Microstructures 88, 382-388

[Dysprosium doped di-calcium magnesium di-silicate white light emitting phosphor by solid state reaction method](#) 2015

IP Sahu, DP Bisen, N Brahme, RK Tamrakar, R Shrivastava  
Journal of Materials Science: Materials in Electronics 26 (12), 9907-9920

[Studies on the luminescence properties of europium doped strontium alumino-silicate phosphors by solid state reaction method](#) 2015

IP Sahu, DP Bisen, N Brahme, RK Tamrakar  
Journal of Materials Science: Materials in Electronics 26 (12), 10075-10086

[Mechanoluminescence of Dy doped strontium aluminate nanophosphors](#) 2015

R Sharma, DP Bisen, BP Chandra  
Journal of Luminescence 168, 49-53

[Enhancement of the photoluminescence and long afterglow properties of Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup> phosphor by Dy<sup>3+</sup> co-doping](#) 2015

IP Sahu, DP Bisen, N Brahme, M Ganjir  
Luminescence 30 (8), 1318-1325

[Luminescence properties of dysprosium doped calcium magnesium silicate phosphor by solid state reaction method](#) 2015

IP Sahu, P Chandrakar, RN Baghel, DP Bisen, N Brahme, RK Tamrakar  
Journal of Alloys and Compounds 649, 1329-1338

[Structural characterization and luminescence properties of bluish-green-emitting SrCaMgSiO: Eu, Dy phosphor by solid-state reaction method.](#) 2015

I Sahu, D Bisen, N Brahme, L Wanjari, R Tamrakar  
Research on Chemical Intermediates 41 (11)

[Synthesis and optical properties of chemical bath deposited ZnO thin film](#) 2015

PB Taunk, R Das, DP Bisen, RK Tamrakar, N Rathor  
Karbala International Journal of Modern Science 1 (3), 159-165

[Luminescence studies of dysprosium doped strontium aluminate white light emitting phosphor by combustion route](#) 2015

IP Sahu, DP Bisen, N Brahme, RK Tamrakar, R Shrivastava

- [Structural characterization and luminescence properties of bluish-green-emitting SrCaMgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup>, Dy<sup>3+</sup> phosphor by solid-state reaction method](#) 2015  
IP Sahu, DP Bisen, N Brahme, L Wanjari, RK Tamrakar  
Research on Chemical Intermediates 41 (11), 8797-8814
- [Luminescence properties of green-emitting Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>:Eu<sup>2+</sup> phosphor by a solid-state reaction method](#) 2015  
IP Sahu, DP Bisen, N Brahme  
Luminescence 30 (7), 1125-1132
- [Characterization and luminescence properties of CaMgSi<sub>2</sub>O<sub>6</sub>:Eu<sup>2+</sup> blue phosphor](#) 2015  
P Chandrakar, RN Baghel, DP Bisen, BP Chandra  
Luminescence 30 (7), 1034-1040
- [Experimental and theoretical study of the mechanoluminescence of ZnS: Mn nanoparticles](#) 2015  
R Sharma, DP BiSen, BP Chandra  
Journal of Electronic Materials 44 (10), 3312-3321
- [Structural and luminescence behavior of Gd<sub>2</sub>O<sub>3</sub>: Er<sup>3+</sup> phosphor synthesized by solid state reaction method](#) 2015  
RK Tamrakar, DP Bisen, N Brahme, IP Sahu, K Upadhyay  
Optik 126 (20), 2654-2658
- [Synthesis and Optical Properties of CaMgSi<sub>2</sub>O<sub>6</sub>:Ce<sup>3+</sup> Phosphors](#) 2015  
P Chandrakar, DP Bisen, RN Baghel, BP Chandra  
Journal of Electronic Materials 44 (10), 3450-3457
- [Mechanoluminescence of \(ZnS\) 1- x \(MnTe\) x nanophosphors excited by impact of a load](#) 2015  
D Pateria, RN Baghel, DP Bisen, P Jha, BP Chandra  
Journal of Luminescence 166, 335-345
- [Comparative Study and Role of Er<sup>3+</sup> and Yb<sup>3+</sup> Concentrations on Upconversion Process of Gd<sub>2</sub>O<sub>3</sub>:Er<sup>3+</sup> Yb<sup>3+</sup> Phosphors Prepared By Solid-State Reaction ...](#) 2015  
RK Tamrakar, DP Bisen, K Upadhyay, IP Sahu  
The Journal of Physical Chemistry C 119 (36), 21072-21086
- [Luminescence properties of Eu, Dy-doped SrMgSiO, and CaMgSiO phosphors by solid-state reaction method.](#) 2015  
I Sahu, D Bisen, N Brahme, R Sharma  
Research on Chemical Intermediates 41 (9)
- [Luminescent properties of Dy<sup>3+</sup> - doped CaMgSi<sub>2</sub>O<sub>6</sub> phosphor](#) 2015  
P Chandrakar, RN Baghel, DP Bisen, BP Chandra  
Journal of the Korean Physical Society 67 (5), 864-869
- [Effect of annealing on down-conversion properties of monoclinic Gd<sub>2</sub>O<sub>3</sub>:Er<sup>3+</sup> nanophosphors](#) 2015

RK Tamrakar, DP Bisen, K Upadhyay

Luminescence 30 (6), 812-817

[Luminescence properties of  \$\text{Eu}^{2+}\$ ,  \$\text{Dy}^{3+}\$ -doped  \$\text{Sr}\_2\text{MgSi}\_2\text{O}\_7\$ , and  \$\text{Ca}\_2\text{MgSi}\_2\text{O}\_7\$  phosphors by solid-state reaction method](#)

2015

IP Sahu, DP Bisen, N Brahme, R Sharma

Research on Chemical Intermediates 41 (9), 6649-6664

[Effect of capping agent concentration on thermoluminescence and photoluminescence of copper-doped zinc sulfide nanoparticles](#)

2015

L Wanjari, DP Bisen, N Brahme, IP Sahu, R Sharma

Luminescence 30 (5), 655-659

[Influence of  \$\text{Er}^{3+}\$  concentration on the photoluminescence characteristics and excitation mechanism of  \$\text{Gd}\_2\text{O}\_3:\text{Er}^{3+}\$  phosphor synthesized via a solid-state ...](#)

2015

RK Tamrakar, DP Bisen, N Brahme

Luminescence 30 (5), 668-676

[Thermoluminescence characteristics of ZnS: Cu nanophosphors](#)

2015

L Wanjari, DP Bisen, N Brahme, IP SAHU

J Optoelectron Biomed Mater 7 (3), 59

[Structural characterization and optical properties of dysprosium doped strontium calcium magnesium di-silicate phosphor by solid state reaction method](#)

2015

IP Sahu, DP Bisen, N Brahme

Displays 38, 68-76

[Structural characterization and photoluminescence properties of zinc oxide nano particles synthesized by chemical route method](#)

2015

PB Taunk, R Das, DP Bisen, RK Tamrakar

Journal of Radiation Research and Applied Sciences 8 (3), 433-438

[Europium doped di-calcium magnesium di-silicate orange-red emitting phosphor by solid state reaction method](#)

2015

IP Sahu, DP Bisen, N Brahme

Journal of Radiation Research and Applied Sciences 8 (3), 381-388

[Thermoluminescence studies of ultraviolet and gamma irradiated erbium \(III\)-and ytterbium \(III\)-doped gadolinium oxide phosphors](#)

2015

RK Tamrakar, DP Bisen

Materials Science in Semiconductor Processing 33, 169-188

[Down-conversion luminescence property of  \$\text{Er}^{3+}\$  and  \$\text{Yb}^{3+}\$  co-doped  \$\text{Gd}\_2\text{O}\_3\$  crystals prepared by combustion synthesis and solid state reaction method](#)

2015

RK Tamrakar, DP Bisen, K Upadhyay, N Brahme

Superlattices and Microstructures 81, 34-48

[Effect of the concentration of TEA on the formation of lead hydroxide micro to nanoparticle](#)

2015

PB Taunk, R Das, DP Bisen

Materials Science in Semiconductor Processing 32, 49-54

[Thermoluminescence of mercaptoethanol-capped ZnS: Mn nanoparticles](#)

2015

R Sharma, DP Bisen

Luminescence 30 (2), 175-181

[Photoluminescence \(PL\) and Thermoluminescence \(TL\) studies of  \$\gamma\$ -irradiated CaAl<sub>2</sub>O<sub>4</sub>: Eu<sup>2+</sup> phosphor synthesized by combustion](#)

2015

M Ziyauddin, N Brahme, DP Bisen, RS Kher

[Thermoluminescence and Mechanoluminescence Properties of Ba<sub>2-x</sub>MgSi<sub>2</sub>O<sub>7</sub>: XCe<sup>3+</sup> Phosphors](#)

2015

SK Sao, N Brahme, DP Bisen, G Tiwari

Physics Procedia 76, 59-67

[Photoluminescence and Electroluminescence of Eu Doped Y<sub>2</sub>O<sub>3</sub>](#)

2015

A Gupta, N Brahme, DP Bisen

Physics Procedia 76, 16-24

[Luminescence properties of Sr<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub>: Eu<sup>2+</sup>, Ce<sup>3+</sup> phosphor by solid state reaction method](#)

2015

IP Sahu, DP Bisen, N Brahme, L Wanjari, R Tamrakar

Physics Procedia 76, 80-85

[Thermoluminescence and Mechanoluminescence Properties of UV-Irradiated Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub>: Ce<sup>3+</sup>, Tb<sup>3+</sup> Phosphor](#)

2015

G Tiwaria, N Brahmea, DP Bisen, SK Saa, R Sharmab

Physics Procedia 76, 53-58

[Mechanoluminescence properties of Sr<sub>2</sub>SiO<sub>4</sub>: Dy<sup>3+</sup> phosphor by solid state reaction method](#)

2015

IP Sahu, DP Bisen, RK Tamrakar

Int. J. Luminescence and Applications 5 (2), 191-195

[Photoluminescence and Thermoluminescence Properties of Rare Earth Doped CaAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub> phosphors](#)

2015

G Tiwari, N Brahme, R Sharma, DP Bisen, SK Sao

[Photoluminescence properties of europium doped di-strontium magnesium di-silicate phosphor by solid state reaction method](#)

2015

IP Sahu, DP Bisen, N Brahme, RK Tamrakar

Journal of Radiation Research and Applied Sciences 8 (1), 104-109

[Effect of Yb<sup>3+</sup> concentration on photoluminescence properties of cubic Gd<sub>2</sub>O<sub>3</sub> phosphor](#)

2015

RK Tamrakar, DP Bisen, N Brahme

Infrared Physics & Technology 68, 92-97

[Effect of annealing temperature on thermoluminescence glow curve for UV and gamma ray induced ZrO<sub>2</sub>: Ti phosphor](#)

2015

RK Tamrakar, N Tiwari, RK Kuraria, DP Bisen, V Dubey, K Upadhyay

Journal of Radiation Research and Applied Sciences 8 (1), 1-10

[Photoluminescence behavior of  \$ZrO\_2: Eu^{3+}\$  with variable concentration of  \$Eu^{3+}\$  doped phosphor](#) 2015

RK Tamrakar, DP Bisen, K Upadhyay

Journal of Radiation Research and Applied Sciences 8 (1), 11-16

---

**Dr. A. S. Gour**

[Mechanoluminescence of  \$Sr\_2Al\_2SiO\_7:Eu,Dy\$  phosphor composite film](#) 2019

A Jadhaw, AS Gour, P Jha

AIP Conference Proceedings 2104 (1), 020022

[Cost effective synthesis to promote effective photoluminescent properties of rare earth doped MgO nanophosphor](#) 2018

G Sahu, AS Gour, RK Chandrakar, S Majumder

Optik 164, 711-720

[Thermoluminescence properties of Eu-doped and Eu/Dy-codoped  \$Sr\_2Al\_2SiO\_7\$  phosphors](#) 2017

A Jadhaw, VD Sonwane, AS Gour, P Jha

Luminescence 32 (7), 1349-1353

[Thermoluminescence and Optical Properties of  \$Dy^{3+}\$  Doped MgO Nanoparticles, Prepared by Solution Combustion Synthesis Method](#) 2017

G Sahu, AS Gour, RK Chandrakar

Journal of Pure Applied and Industrial Physics 7 (4), 115-127

[Laser shock wave-induced visible mechanoluminescence from semi-transparent organic crystals](#) 2017

VD Sonwane, AS Gour, P Jha

Luminescence 32 (1), 100-103

[Laser power dependence of mechanoluminescence in metals](#) 2016

VD Sonwane, AS Gour, P Jha

Luminescence 31 (8), 1422-1426

[Effect of Ultrasonic Wave-Induced Oscillatory Mechanical Stress on Plastico Mechanoluminescence of X-ray irradiated Alkali Halide Crystals](#) 2015

VD Sonwane, AS Gour, P Jha, BP Chandra

Int. journals of luminescence and applications 5, 445-447

[Characterization of MgO Produced by Combustion Synthesis Method Doped with  \$Dy^{3+}\$](#)  2015

BPC G. Sahu, A. S. Gour

Int. j. of research in Eng. And Tech 3 (9), 19-24

[Infrared Laser-Induced Visible Fracto Mechanoluminescence from Organic Crystals](#) 2015

PJBPC V. D. Sonwane, A. S. Gour

Int. J. of Luminescence and its Applications

<a href="#">Ultrasonic Wave-Induced Elastico-Mechanoluminescence of CaZnOS:Mn<sup>2+</sup>/ Epoxy Resin Composite</a>	2015
ASGBPC V. D. Sonwane International Journal of Science and Reasearch, 519-520	
-----	
<b>Dr. N. K. Chakradhari</b>	
<a href="#">Observational properties of a Type Ib Supernova MASTER OT J120451. 50+ 265946.6 in NGC 4080</a>	2019
M Singh, K Misra, DK Sahu, R Dastidar, A Gangopadhyay, S Srivastav, ... Monthly Notices of the Royal Astronomical Society	
<a href="#">A Peculiar Subclass of Type Ia Supernovae aka Type Iax</a>	2018
M Singh, K Misra, DK Sahu, R Dastidar, A Gangopadhyay, S Bose, ... Bulletin de la Société Royale des Sciences de Liège	
<a href="#">The Nainital Cape Survey Project: A Search for Pulsation in Chemically Peculiar Stars</a>	2018
NK Chakradhari, S Joshi Bulletin de la Société Royale des Sciences de Liège	
<a href="#">Broad-line Type Ic supernova SN 2014ad</a>	2018
DK Sahu, GC Anupama, NK Chakradhari, S Srivastav, M Tanaka, ... Monthly Notices of the Royal Astronomical Society 475 (2), 2591-2604	
<a href="#">Highly reddened Type Ia supernova SN 2004ab: another case of anomalous extinction</a>	2017
NK Chakradhari, DK Sahu, GC Anupama, TP Prabhu Monthly Notices of the Royal Astronomical Society 474 (2), 2502-2513	
<a href="#">Exploring the optical behaviour of a Type Iax supernova SN 2014dt</a>	2017
M Singh, K Misra, DK Sahu, R Dastidar, A Gangopadhyay, S Bose, ... Monthly Notices of the Royal Astronomical Society 474 (2), 2551-2563	
<a href="#">The Nainital-Cape Survey-IV. A search for pulsational variability in 108 chemically peculiar stars</a>	2016
S Joshi, P Martinez, S Chowdhury, NK Chakradhari, YC Joshi, ... Astronomy & Astrophysics 590, A116	
<a href="#">The hot <math>\gamma</math> Doradus and Maia stars</a>	2016
LA Balona, CA Engelbrecht, YC Joshi, S Joshi, K Sharma, E Semenko, ... Monthly Notices of the Royal Astronomical Society 460 (2), 1318-1327	
<a href="#">VizieR Online Data Catalog: Nainital-Cape Survey. IV.(Joshi+, 2016)</a>	2016
S Joshi, P Martinez, S Chowdhury, NK Chakradhari, YC Joshi, ... VizieR Online Data Catalog 359	
<a href="#">The Nainital-Cape Survey-IV</a>	2016
S Joshi, P Martinez, S Chowdhury, NK Chakradhari, YC Joshi, ... arXiv preprint arXiv:1603.03517	
<a href="#">Transient Classification Report for 2016-01-09</a>	2016
DK Sahu, GC Anupama, S Srivastav, NK Chakradhari Transient Name Server Classification Report 9	
<a href="#">Classification of AT 2016c in NGC 5247 as a type II supernova</a>	2016
DK Sahu, GC Anupama, S Srivastav, NK Chakradhari The Astronomer's Telegram 8514	
<a href="#">Multicolor surface photometry of a sample of low luminosity radio galaxies</a>	2015

**Dr. Y. K. Mahipal**

- [Flexible printed paper electrode with silver nano-ink for electrochemical applications](#) 2020  
T Kant, K Shrivastava, V Ganesan, YK Mahipal, R Devi, MK Deb, R Shankar  
Microchemical Journal 155, 104687
- [Iota-carrageenan-based polymer electrolyte: impact on ionic conductivity with incorporation of AmNTFSI ionic liquid for supercapacitor](#) 2019  
NK Farhana, FS Omar, R Shanti, YK Mahipal, S Ramesh, K Ramesh  
Ionics 25 (7), 3321-3329
- [Study of electrical and electrochemical behavior on copper ion conducting nano-composite polymer electrolyte](#) 2018  
TB Sahu, M Sahu, S Karan, YK Mahipal, DK Sahu, RC Agrawal  
Ionics 24 (9), 2885-2892
- [Influence of acrylic acid on ethylene carbonate/dimethyl carbonate based liquid electrolyte and its supercapacitor application](#) 2017  
NS Nadiyah, FS Omar, A Numan, YK Mahipal, S Ramesh, K Ramesh  
International Journal of Hydrogen Energy 42 (52), 30683-30690
- [Characterization of ion transport property in hot-press cast solid polymer electrolyte \(SPE\) films: \[PEO: Zn\(CF<sub>3</sub>SO<sub>3</sub>\)<sub>2</sub>\]](#) 2017  
S Karan, TB Sahu, M Sahu, YK Mahipal, RC Agrawal  
Ionics 23 (10), 2721-2726
- [Synthesis and characterization of ion transport behavior in Cu<sup>2+</sup>-conducting nano composite polymer electrolyte membranes](#) 2017  
TB Sahu, M Sahu, S Karan, YK Mahipal, DK Sahu, RC Agrawal  
Journal of Physics D: Applied Physics 50 (27), 275501
- [Conductivity enhancement in K<sup>+</sup>-ion conducting dry Solid Polymer Electrolyte \(SPE\):\[PEO: KNO<sub>3</sub>\]: A consequence of KI dispersal and nano-ionic effect](#) 2017  
P Kesharwani, DK Sahu, YK Mahipal, RC Agrawal  
Materials Chemistry and Physics 193, 524-531
- [An approach to solid-state electrical double layer capacitors fabricated with graphene oxide-doped, ionic liquid-based solid copolymer electrolytes](#) 2016  
NFA Fattah, HM Ng, YK Mahipal, A Numan, S Ramesh, K Ramesh  
Materials 9 (6), 450
- [Materials and electrical property studies on polymer electrolyte membranes incorporating with room temperature ionic liquid](#) 2016  
YK Mahipal, RC Agrawal, Y Hanisah, N Arshed, S Ramesh

Int. J. Emerg. Technol. Adv. Eng. 6, 18-25

[Efficiency of supercapacitor using EC/DMC-based liquid electrolytes with methyl methacrylate \(MMA\) monomer](#)

2016

NS Nadiyah, YK Mahipal, A Numan, S Ramesh, K Ramesh  
Ionics 22 (1), 107-114

[Enhanced electrochemical performance of cobalt oxide nanocube intercalated reduced graphene oxide for supercapacitor application](#)

2016

A Numan, N Duraisamy, FS Omar, YK Mahipal, K Ramesh, S Ramesh  
RSC advances 6 (41), 34894-34902

---