

## DR NARENDER SINGH

### Research Papers:

1. "Chaos Based Secure Communication System using Logistic Map".  
*Optics and Lasers in Engineering* 48(3):398-404.

#### Link to the article/paper

<https://ui.adsabs.harvard.edu/abs/2010OptLE..48..398S/abstract>

2. "Chaos Based Multiple Image Encryption Using Multiple Canonical Transforms".  
*Optics and Laser Technology* 42(5):724-731.

#### Link to the article/paper

<https://ui.adsabs.harvard.edu/abs/2010OptLT..42..724S/abstract>

3. "Digital Image Watermarking using Gyator Transform and Chaotic Maps".  
*Optik - International Journal for Light and Electron Optics* 121(15):1427-1437.

#### Link to the article/paper

[https://www.researchgate.net/publication/243394548\\_Digital\\_image\\_watermarking\\_using\\_gyator\\_transform\\_and\\_chaotic\\_maps](https://www.researchgate.net/publication/243394548_Digital_image_watermarking_using_gyator_transform_and_chaotic_maps)

4. "Optical Image Encryption using Improper Hartley Transforms and Chaos".  
*Optik - International Journal for Light and Electron Optics* 121(10):918-925.

#### Link to the article/paper

<https://www.infona.pl/resource/bwmeta1.element.elsevier-92db4762-180d-3007-9d3f-7c730a23027c>

5. "Gyator Transform-Based Optical Image Encryption Using Chaos".  
*Optics and Lasers in Engineering* 47(5):539-546.

#### Link to the article/paper

<https://www.infona.pl/resource/bwmeta1.element.elsevier-29851c71-8a66-3c4c-a8f7-6d9d0672207f>

6. "Optical Image Encryption using Hartley Transform and Logistic Map".  
*Optics Communications* 282(6):1104-1109.

#### Link to the article/paper

<https://www.semanticscholar.org/paper/Optical-image-encryption-using-Hartley-transform-Singh-Sinha/5271f65b617111b99e7cd41e7219df5f0fc1a85a>

7. "Optical Image Encryption Using Fractional Fourier Transform and Chaos".  
*Optics and Lasers in Engineering* 46(2):117-123.

#### Link to the article/paper

[https://www.academia.edu/9853552/Optical\\_image\\_encryption\\_using\\_fractional\\_Fourier\\_transform\\_and\\_chaos](https://www.academia.edu/9853552/Optical_image_encryption_using_fractional_Fourier_transform_and_chaos)