

## REVIEWER'S REPORT

Manuscript No.: IJAR-55610

Title: 3D Printing in Dentistry: From Current Applications to Future Potential

### Recommendation:

Accept as it is ☐☐☐☐

Accept after minor revision ☐☐☒☐☐

Accept after major revision ☐☐☐☐☐

Do not accept (*Reasons below*) ☐☐☐

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity			✓	
Significance		✓		

Reviewer Name: Sakshi Jaju

### Reviewer's Comment for Publication.

This review article explains the role of 3D and 4D printing in modern dentistry. It covers materials, technologies, and applications in orthodontics, prosthodontics, implant dentistry, and maxillofacial surgery. The article also discusses future possibilities like smart materials and bioprinting. Overall, it gives a broad overview of how additive manufacturing is changing dental practice.

### Strength:

1. Well-structured and detailed coverage of 3D printing applications
2. Updated references and inclusion of recent technologies
3. Good explanation of materials and their clinical relevance
4. Useful for students, researchers, and clinicians

### Weakness:

1. Very lengthy; could be more concise
2. Some sections are overly descriptive without critical comparison
3. Limited discussion on clinical limitations and long-term outcomes
4. Minor repetition in material and application sections

### Overall assessment:

The article is informative and comprehensive, with strong academic value. With slight reduction in length and more critical analysis, it can be an excellent review paper.

**Recommendation:** Manuscript accepted for publication after minor corrections.