

## **Plate-1**

- 1. Mature plant of Suaeda nudiflora.**
- 2. Mature plant of Salicornia brachiata.**
- 3. Field of Salicornia brachiata.**

## **Plate-2**

- 4. Non embryonic callus of suaeda nudiflora.**
- 5. Embryos generated on B5 media of leaf callus.**
- 6. Embryos generated on N6 media. of leaf callus.**

### **Plate-3**

**7. Cells of embryonic callus.**

**8. Root regeneration from leaf callus of  
Suaeda nudiflora.**

**9. Xylogenesis in callus of stem, before  
organogenesis.**

#### **Plate-4**

- 10. Shoot regeneration form stem callus of Suaeda nudiflora.**
- 11. Multiple shoots from regenerated shoot.**
- 12. Rooted plant let of Suaeda nudiflora.**
- 13. Regenerated plant let of Suaeda nudiflora in jar.**
- 14. Regenerated shoot transferred to the pot.**

## **Plate-5**

- 15. Transversal section of leaf of naturally occurring plant.**
- 16. Transversal Section of leaf of regenerated plant let.**
- 17. Transversal section of stem of naturally occurring plant.**
- 18. Transversal Section of stem of regenerated plant let.**
- 19. Transversal Section of stem of hardened regenerated plant let.**

## **Plate-6**

**20. Epidermis of leaf of naturally occurring**

**plant with closed stomatal pores.**

**21. Epidermis of leaf of regenerated plant let**

**with open stomatal pores.**

**22. Epidermis of leaf of hardened plantlet**

**of regenerated plantlet.**

**23. Shoots & roots coming out of beads of**

**Sodium alginate.**

**24. Shoots & roots coming out of beads of**

**Sodium alginate with charcoal.**

**Plate -7**

**25,26,28. Multiple shoots from the nodes  
of *Salicornia brachiata* stem.**

**29. Multiple shoots from the shoots of  
*Salicornia brachiata* cotyledonary shoot.**

**Plate-8**

**30. Germinated seeds of *Salicornia brachiata*.**

**31,32. Callus initiation from cotyledon of**

***Salicornia brachiata*.**

**33,35. Non embryonic callus of *Salicornia***

***brachiata* cotyledon.**

## **Plate-9**

**34. Embryonic callus of *Salicornia brachiata*.**

**36. Embryos on callus of *Salicornia brachiata*  
cotyledon**

**37, 38. Xylogenesis in embryonic callus of  
*Salicornia brachiata*.**