

# Formulation and Preparation of Herbal Ointment

Mr. Kamlesh Garate<sup>1</sup>, Mr. Prashant Jichkar<sup>2</sup>, Mr. Pratik Dhole<sup>3</sup>, Ms. Monika Bankar<sup>4</sup>

Ms. Priyanka Waghmare<sup>5</sup>, Dr. Manisha D. Kitukale<sup>6</sup>

Students, Department of Pharmaceutics<sup>1-5</sup>

Guide and Principal<sup>6</sup>

Pataldhamal Wadhvani College of Pharmacy, Yavatmal, Maharashtra, India

**Abstract:** *In the last few decades there has been an exponential growth in the field of herbal medicine. It is getting popularized in developing and developed countries owing to its natural origin and lesser side effects.*

*The scientific evidence has brought about the possibility of utilization of herbal plant in the treatment of fungal and bacterial infections and the development of anti-bacterial and anti-fungal products.*

*In the present study, herbal ointment containing Aloe vera and Neem was formulated and evaluated to study anti-microbacterial and antifungal activity. Extracts from both plants were combined in an ointment base and tested for their effectiveness against common microbial and fungal pathogens. The evaluation is done using cup plate method for zone of inhibition.*

*The study showed that Aloe ointment is exhibiting broad-spectrum antifungal activity against A. varies and antibacterial activity against E.coli. The overall experiment showed that Aloe and Neem ointment showed good anti-microbacterial activity.*

*Also it was found that ointment containing mixture of Aloe vera, Neem, showed prominent antifungal activity than antibacterial activity. This ointment can be used in the treatment of sun burns, rashes, heals scrapes, acne burns, wounds and other skin infections. It can also be used in the treatment of superficial mycosis.*

*Antimicrobial properties: Camphor has been shown to exhibit antimicrobial activity against certain bacteria and fungi.*

**Keywords:** anti-microbacterial